

SEQUENCE LISTING

<110> Abuin, Alejandro
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL MUTATED MAMMALIAN CELLS AND
ANIMALS

<130> LEX-0304-USA

<150> US 60/265,574

<151> 2001-01-31

<160> 248

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 297

<212> DNA

<213> Mus musculus

<400> 1

gactgagatt aagaagctct gtgaccgcgt agcttcctct acgttactgg atgaccgaag 60
aaatgctgta cgtgccctta aatcaactctc taagaaaatac cgcttagaag tggaaatcca 120
agctatggaa catcttatcc atgttttaca aacagatcg tcctgagttc aaatcccagc 180
aaccacatgg tggcctcata accatccgta acgaaatctg atgcctctt ctggaatgtc 240
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<210> 2

<211> 656

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 2

tatggcttca ctctgcaccc tcgcctctgc agccacctgc tcgctgcccc cggccccctc 60
tggcccccctg aggcccccca gcttcgtcct gtgctgtat ccccccagcc gccggcacgg 120
ccccccctcc gctgccccgg tggtgccca cggccccccg gttgccagtg gtgaaactgg 180
agtcatggaa acgctggaaat gaagagaggg gtttgggtt tgaaaaggcc gttcaggtac 240
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actactggct ctacacaaga gctctcatct gcaacaccac caacctcaca gcaggtgatg 360
acggaccacc ccatcgtggg ggcagtggct cctccgagaa gaaggaccct gggggcctca 420
cacattcagg cctctggccg atatgctgcc tggaaaggtag ggtgcaggaa ggcctggct 480
ggccacctcc gntgaagcct gtgcctncag caaatcgact tntagtgtt tgagtctcaa 540
cccaaggnc tgggggtgt gcttactgc tggaggcggn tnattccatg caccctccca 600
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<210> 3

<211> 651

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 3

cacaggtggg gctggctaca tcggcagcca cacggtattg gagctgctgg gagcaggcta 60
ctcgccctgtg gtcattgaca acttccataa cgcattcgt ggagaagact ccatgcctga 120
ggagcctcgc cgggtccag gaattgacag gcccattcgt ggagttttag gagatggaca 180
tcttggacca ggcagcccta cagcacctct ttaagaagca cagctttaag gcccgtcatcc 240
actttgcgtgg cctcaaggct gtgggcgagt cagtcgcgaa gcctctggac tactatagag 300
ttaacttaac agggaccatc cagcttctag agatcatgag ggcacccacgga gtgaagagcc 360
tggtgttcag cagctcagcc accgtgtacg ggaacccccca gtacctgcct ctggatgagg 420
cccacccac gggggcgtgt accaaccctt acggcaagtc caagttcttc atcgaggaga 480
tgcatccggaa cctgtgcggc gcagacacgg ccttggAACgc cgtgctgcct cggtaacttca 540
atccccatagg cgcccacgca tctggcgcga tcggtgaaaa tnctcanggt attnccaaca 600
acctcatgccc ctacgtctcc caggtggcaa tcgggcgaca agaggttcat t 651

<210> 4
<211> 647
<212> DNA
<213> Mus musculus

<400> 4

aatggaaact gaaaacccaa aaactatgga agaaagcact gagaagagaa aagaagaaaa 60
gaagaagcgc tccccgggta aacagggtct tgcagatatt gctaagcagg tggacttctg 120
gtttggagat gcaaaaccttc acaaggacaa gtttctgcga gagcaaattt aaaaagtctag 180
agatggatatt gtggacattt ctctcctgtt gtcttttaac aaaaatgaaga agctgacaac 240
tgcattggaaat ctaatagcca gagcattgaa aagctcatct gttgttagagt tggactttaga 300
agggaccaga atcaggagga aaaaacccctt aggtgagaga ccaaaggacg aggaggaacg 360
cacggtatatt gtggagttgc tcccccaaaaaa tgttactcat agctggattt agagagtatt 420
tggggaaatgt ggcaatgtgg tttacataag tattccacat tacaagtctt ctggggatcc 480
taagggattt gccttgtgg aatttgaaac aaaagagcaa gcagcaaaaag ccattgagtt 540
tctgaacaaccc ccaccagaag aagcacctt aagccctgtt atatttccca agacagtgaa 600
aaacaagcccccc atcccttcct tacaaggcaga agagaagaaa aagaaaaa 647

<210> 5
<211> 647
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 5

agtggggctt ttcaacggcg gacggnggtt acccgccggag tatggatatt ccagtatggc 60
acgaggggagg aggtgtgggt gngtaccnag nacgactact gctcgggctc ggtcatgtcg 120
gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgccctt cattcaactgc 180
tatgacgagg aggtgtgtca ggagctcatg ccgcgtgggg tgaacgtgt ggagaaccnn 240
gactcgggtgc tgagcgagaa ccaggagcac gaggtggagc tggagctctt acgcgaggac 300
aaccgagcgc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaa ggcggaggag 360

nngngtgc cccggncgcc gcctngagng acggngtgnn tagangtgca gnacccagnt 420
cngctcantic ggnagtatnc tgntgtatc gatgccgang ctgctggnta tggccactt 480
tntccatcca atngagacct aaancacagc ctgtcaaaag nccggnagac ntngncccc 540
attcctgctg gnctctgacc ttggctgncc ccngctnnnt ctngattnt attccttccc 600
gtctnggag cagggtgcnc tagaatcaca aaggccaga attctac 647

<210> 6
<211> 645
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 6
agtttgtggg cattgccccca nctaananatccacaccggn accccgannt agaagactca 60
gctgccaggc agaacactga agggaaagcgg ctccaagtcg cttcagccctt taccctccgg 120
ttccaggaca ggagagctct ctgcagtggg cagggatgaa gtttggggac gtcggcaattt 180
cacacattaa agcaacactac aacaacacac agatccaggt agtctctgccc accaatgcgt 240
ccctggcccg cgcctcctgt ggcacagaag gcttcgcaa tgccaaagaag ggcacccggca 300
tcgcccaca gacagcaggc atagctgccc cagcaaaagc cacagggaaag ggagtgaccc 360
acatcagagt cgttagtggaa ggcattgggc caggacgctg gtctgcccattc aaaggactga 420
ccatgggggg tctggaaatgt atctcaatca cagacaacac cccgtccca cacaatggct 480
gccgaccccg gaaggctcga aggctgtac gggaaaggag cctgcacttg gacctggcct 540
caggtcttga ctccctgtgaa tcctacagaa gcccactgt ggaagccgct ggagccggct 600
gttctcgagc cctncttggg gaaacactcc ttttctcgca ccgag 645

<210> 7
<211> 636
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 7
acctgagtgc aaaacatnn aagaacactt tgagaagcac atattccagg aaacagaaaag 60
ctggtccaaa gccccggccc aaggatgtgt ttgacttttc taataattct gatgcctcaa 120
gcataccggg agcactcgag gaagaagagg agacttacga aaccccgac cccctctgc 180
acagtagggc tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tccagttccc 240
tggccaccca cagaggaaag gcgagcagaa acttggaccc ttctgaagat gaagcaagt 300
gaaatgagtc tatcaagggtc agcacaaaaa agccaaggag aaagctggag cccatcagcg 360
gcgagtcgga cagctctgca gatgatgtaa ggaggagggt ggcatttgca gaaggaccaa 420
ggtcacagca acgccaggct gctcctgca caccgtcacc ccctgagagg ccagccgagc 480
cggtcactcc caggaggaca agactccaca gcgctcagct ctccctgtt gacgagacac 540
cagcaaccca aagttagctg gtgagcagtg ctgcctccg ccctcgctcg ggagagaaga 600
gttcantaaa aagattaggg aggaataaaag aggtct 636

<210> 8
<211> 636
<212> DNA
<213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 8
 atccagtagc aggccccacg ccgcnggcga gtgcggngga ggagcagctn cgggcaggcn 60
 gagggaggag gaagaggcgn angncgtgga gtacctggcc nanctccgg tagccgntgc 120
 tgctgcncgt gctggccnag ntgccagcta cggagctgnt gcaggcctgc cncctggtgt 180
 gcctgcnctn gtaaggagct ggtggacngc gccccactgt ggctgntcaa gtgccagcag 240
 gaggggctgg tgcccgaggn cagcgctgat gaggagcggg accactggca acagttctac 300
 tttctgagca agangaggcg caacctgctg cgcaaccctt gtgggaaaga ggacttggag 360
 ggctggagcg acgtggagca cgggtgggac ggctggaagg tggaggaact gccccggagac 420
 aatggggngg aatttaccca anatgacagc gttaaagaaat acttcgcctc ctccttcgag 480
 tgggtcgca aagcgcaggt cattgatctg caggcagagg gctactggga ggagctactg 540
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 agcctgtatg agctcaactgn gaggctgctg tcgtga 636

<210> 9
 <211> 635
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 9
 acctgaggca atgtggctgg tagcttagtg cctgctgcgc aggacctgtg gaccgctggg 60
 cagggctgta tcgtctgccc tggggggggg cccttaggacc taggccccac tggggggggc 120
 catgttaggag ttgcttgccc caaagtgttc atcaagacca gcctggaaga ggcctcagt 180
 aagatgacat tcgcaggcga cgggaggccc ggctcaggaa ggcaccccccgg ccccagctga 240
 gtgatcgctc tcgtgaacgc aagggtcctg cctcccgcat cagtcgcttg gccagctttg 300
 gggggctggc tggggcttg ggcctgggag cgctggctga ggtgactaag aagtccttgc 360
 caggtggaaag tctgcagcat gaggcgtct ctggattttgg ctccagtcct ttcccttcgg 420
 agggcaatgc tgagaggatc gngcagacact tatgtacagt ccggggggct gccctcaaga 480
 tcggccaaat gtcagtatc caggacaaca gctttatcag ccccccagctt cagcgaatct 540
 ttganagggt ccgacagagt gcccactta tgcccgctg gcaaatgtg agagttctag 600
 aaaaggggagc tngcaagga ctggcaaaga caagg 635

<210> 10
 <211> 634
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

<400> 10
 tgagtccccca tgggctaccc ctcaaanaaca gtatcctgtt cctgaccgag gtgatgagtg 60
 aggagctggc taaaagagctg cagttggaaag aagaaggcgc tgcttccct gaagttgtgn 120
 acgttnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnngactgtn 180
 attatacntr nacaaaaggc cncactcagn catgctnang aacannttan gcgtgaggna 240

aagaagttc ancnggtgat agcaaagttt ccatttcgtt tgaaaactat cgcaaagttc 300
atcctttga agacagtgac agctctgaag acnaggttga ctggcaggac actcgagacg 360
atccctacag accagcaaag ccaattccta ctccccaaaa gggtttattt ggaaaaggaa 420
aagacatcac caccaagcat gatgaagtag tatgtggaaag aaagaacaca ccaagaatgg 480
aaaattttgc cttggctt cangtagggg atggaatttg aatggatttga aactatcca 540
accacgttt taatgcctta aaacaacacg cctactcaga agagcgtcgg agcgcccgtn 600
tncacgagaa gaaggaacat tctacccgct gaaa 634

<210> 11
<211> 634
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 11
acctgagcgt cccgggctcc cgngtgcgtcc ccatggcgga tacgaccccg aacggccccc 60
aaggggcggg cgctgtgcaaa ttcatgtga ccaataaaattt ggacacagca atgtggctt 120
ctcgccctgtt cacagtttat tgctccgctc tggtcggttgc gcctcttgc gggttgcattg 180
aagcagcggag cttttaccag cgtgtttgc tggccaatgc tctgaccaggc gctctgaggc 240
tgcatcagag attacccac ttccagttga gcagagtgtt cctggctcag gccttggtag 300
aggacagctg ccactacctg ctgttattcac tcattttcgta caactccatc cctgtcaca 360
ttagtatttt tccagtcctt ctattttctt tgctccatgc tgccacatac actaagaagg 420
tcctggacgc aaagggttca aatagtttac ctctgtttagt atcatttttgc gataaattaa 480
gtactaacca acaaaaatattt ctgaaattca tcgctttagt taaaanattt ttatattatn 540
ctacaggtnt tatgtctttt agngccaag gaagnttgct ncancctttt ttatattatn 600
ganttcttac tcttcnatat tccctcttagaa aaaa 634

<210> 12
<211> 633
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 12
tttactagtt tgggtttttaa agtatgtcat acatggcaaa atttcgaaca ggacctgcatt 60
ccttttgcata ttttttattt tattttttt ttctgtat gatggctta aagatgtgt 120
ggccaaacgc agcatcctt ggacccctt ttggacttga cctccttca gaacttcattc 180
caactaaatgc gcattcggga aacaaagctg acttccaaag gaggatgataga atcaacatgg 240
aaacaaacac caaggcttta aaaggcgctg gcattgtgtt gctgccagcc aaaggctctg 300
aggtgaacctt ggaagaacta cctcctctga attactttt acatgcattt tattacagtt 360
ggatggaaa tccacagttt gatgtttat atatacactg gaatcatccg gtcctggaaac 420
actgggaccc tcggatagcc aagaactatc cacaaggaca acatgttctt ccagacgaca 480
ttggctccag tttttatctt gaggtaggaa gttacagctc tcgagaccctt tctgtcatag 540
aaactcacat gaaacaaatg cgctcagccct caattgggtt ggaatttattt tatttttattt 600
atttatngntt atataaataa ttctgggttga caa 633

<210> 13
<211> 633

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 13
cagggaacgg gtgtanggtg ttggAACCGG tgcagggtat gnGGcaggna gggaaagtAAC 60
tgtGCCatca gtcCcAGAAC tttcCTGCTG cctgaggGCCa tgacCTtta agaAGCTGCT 120
gcCTGCTGG tcaattatAT caccGCCTAC atggTTCTCT ttgacttCGG caacCTgaga 180
ccggGCCACA gcgtCTTGGT acacATggCT gcaggTggCG tggGCatGGC agccCTGCAG 240
ttgtGCCGCA ccgtGGagaa cgtgacAGTg tttggAACGG cctcAGGCCAG caAGCAGCAG 300
gtgCTGAAGG agaACGGGGT cacACACCCc atcgactacc acacGACTGA ctatGTGGAC 360
gagatnanaa agatCTCCCC caaAGGAGTA gacatCGTnT tggACCCtCT gggTggATnA 420
nacacnGGCA agggCTACCA cctCCTCANA cccatGGGCa aagnTgtcac ttacGGAAATG 480
gctaACCTGC tgacGGGCCCC cangCGGAAC ctgatGGGCCA tggCCCCnAC ctggTggAAAT 540
canntcantg tgacanCTnT gaagCTGCTG caggCCAAACC gagCTGTGTg tggTnnCAC 600
ctgtnntacc tggatGGAGA ggtggAAACTC gtc 633

<210> 14
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 14
actgagTTGC atgaggACAG tggTnCCCTT ggcGGGAGGAGA gcccTGTc cctgCTCTCC 60
aggtaggAGC tggTATCTG catGAAGAGG aggttGCTCA ggaccATCGG gaccAGGCAA 120
gagCGGCGGA accCATGGAG gcCTCTCTGG gtccGCGCGG agatCCCATG gtggTgCTGT 180
cagtGGTCCC tggGGGAGGT gaggACCAAC ggAGCCCCGA ggCCCACGAT ggcACCTGCA 240
gtgcGCAGGG agaggAGGAGC ccgAGCTGTG gccGAGAGAA cctCTTnGn CTGCAggGGG 300
caggCGGCTT ccaggATCGG gaagAGGAGT actATGCTGA gcCTGGCGTG actGAGGCCG 360
agcCTGTAGC cnCCGAGGAT gccaACAGCA ctgACAGCCT caagtCCCCC aaggTGAATT 420
gtgaggAGAG gaatGnGACT gggCTnAAA actnACTCT gaagATTTA aatATGTCCC 480
angacCTCAT gatTTCTA aacCCAAntG gnagnnACTG tacACTGnTn CTnTCTACn 540
ccccnGtGGT gCCGGTTTA tgnnAAGCCn ggCTCCTnT ttgAnCTCCC tgccccGGGn 600
cgTTTCCAAC actTGGATC ttggCTCTGG ga 632

<210> 15
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 15
actgaggTGG ggtCTTTACC gcctCACCCt ctCnTGTCTG tggCCGTGGA gttCCGCGAC 60

tacctggcg acttcatcg gcactacgcg cagctggcc ccagccagcc acccgacctg 120
gcccaggcac aggacgagcc acgcggcgctcaagagcg agttcctggt gcgcgaaaac 180
cgcaagtact acatggatct caaggagaac cagcgcggcc gcttcctgcg catccgcag 240
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cagggtctca tcgagttccg tgacgctctg gccaagctca tcgacgacta tggagtgag 360
gaggagccgg ccgagctgcc cgagggcacc tccttgactg tggacaacaa gcgcttcttc 420
ttcgatgtgg gttccaacaa gtacggcgtg tttatgcgag tgagtgaggt gaagcccacc 480
taccgaact ccatcacccgt gcccatacaag gtgtggccca agttcggaca caccttctgc 540
aagtactccg aggagatgaa gaagattcaa gagaaacaga gggagaagcg ggccgcttgt 600
gagcagcttc accagcagca acagcagcag ca 632

<210> 16
<211> 632
<212> DNA
<213> *Mus musculus*

<400> 16
cctggcgtct ggcagtgatgg caccgtgag gaagagcgga gtctccggga atgcgagctc 60
tatgtcgaga agcacaatat ccagccctg ctgaaggact ccatcgca gctgtgcact 120
acgcggcccg agaggcccat ggcattccctt cgggaataact ttgagagggtt ggagaaggag 180
gaggcaagac agattcagtg tctacagaaa accggcatcc gtactgactc gaggaggag 240
gagatctctc ctccacccccc caatccagtg gtgaagggcc gacggcgcgg aggtgctatc 300
agtgtgaag ttacactgaa ggaggatgct gcctcctacg ttagaaaggt tattccaaaa 360
gattataaga caatggctgc ttagccaag gccatcgaaa agaatgtgct gtttcacac 420
cttgcgtgata acgagagaaag tgacattttt gatgctatgt ttccagtctc ctttattgct 480
ggagagacgg ttattcagca aggtgatgaa agggataac ttctatgtga ttgatcaagg 540
agaaaatggat gtctatgtca ataatgaatg ggcaaccagt gttgggaaag gagggagctt 600
tggagagctg gctttgatt tatgaacac cg 632

<210> 17
<211> 629
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 17
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ggccccgggg gctctccctgg catccagaat tcggatcatg actccctgtga gcagccacgg 120
cttggcggag agcatttttgc acctggacta cgcttcgtgg aagattcggt cgactctagc 180
ggttgctggc ttgtcttctt acctggcgtt cttgttagtc tgccatcagc tctcatcgctc 240
cctgaatgcc acctaccgct ccctggcgcc caaagagaag gtcttctggaa acctgnccgc 300
agacgcgtgc tgtcttcggc gtccanagca caactgcagg cctgtggcc ctgctggag 360
accccggtct ctatgccgac aaagctctcg ggcagcanaa ctgggtttgg tttcacatca 420
ccacggccac tggctcttc ttctttgaga atgnngncgt tcacccgtcc aacctgttct 480
tccgcacctt tgacttgntt ctggntgtcc accaccttt tgcccttctt gggttcctgg 540
gttcagcgat caatctcaaa gctggccact atntagccat gaccacgttgc ctcctaaaga 600
tgagcacgccc cttaacctg catttccta 629

<210> 18
<211> 628
<212> DNA
<213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 18
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 nagagattgc tgtgcagaat cctctgggt cagagcggt ggaactctca gtcctgtaca 120
 aggagtatgc tgaggatgac aacatctacc aacagaagat caaggacctc cacaaaaagt 180
 actcatacat acggaagacc cggcctgatg gcaactgctt ctaccgagcg tttggcttct 240
 cccacctgga ggcactgcta gatgacagca aggaactgca gcgggtcaaa gccgtgtctg 300
 ccaagagtaa agaggacctg gtatcccagg gcttcactga attcacaatt gaagacttcc 360
 acaacacgtt catggacctt atcgagcagg tggagaagca gacccatgta gctgacctgc 420
 tggccctcctt caatgaccag agcacctcag actaccttgc ggtctacctg cgactgctca 480
 cctcaggcta cctacagcgg gagagcaagt tcttcgagca cttcatcgag ggtggccgga 540
 ctgttaagga gttctgccag caggaggtgg aacccatgtg caaggagagc gaccacatcc 600
 acatcatagc cctggccca gcccctcag 628

<210> 19
 <211> 628
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 19
 tgtctgtgtc ctgctctcct tcccgttatac ttngccgtg cctgggctgc ggggaagccc 60
 gcctgaatgg gctgccttgc tgtactatgg acccttcatt gtcgtcttcc agtttggctg 120
 ggctgccacg cagattgccc acctgagcct catcccagag ctggtgacca gtgaccacga 180
 gaaggnggag ctcacggccc tcagttatgc gttcaacttg gnggctaaca tcaccgtgta 240
 cggcgcancg tggctgctgc tgcacttgca gggctctgca cacggcgagc aggacatcag 300
 tgtgggtgac cagctaggag tccaggatgt gcccgtgtc cgaaacctgg ccctgcttgc 360
 ggnngggtgtg ggagccatct tctctctgtc ttccacttg ggtaccaagg agggccacag 420
 gtcccancac tggggggaaac gaacccnatg agcacacccc cctggtggcc ccagccggnt 480
 ccagccactg ntgctgttgg aaacactggc ttngggagc cngcnnnn ntaaggtagg 540
 gcatgctgtc catgaccaca aggcttcatt tgngaaaccn gtctcagacn ctacatttgc 600
 nangcgcctc gacctatttt ttttagc 628

<210> 20
 <211> 627
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 20
 ctgggtggcc cgtctcttgc ttccctggc ttatgactt cggctttgtg gaatacggt 60
 gagatgaaag gatttattga cgtgcgaac tactccgttgc gcctgttggc tganggaacc 120
 aacctnncaa atgtnatgnc naactatgcc ttngaccgtg ccctgacagg aaaaaaaatgc 180
 atttttgtg gggatcttgc ggaagatcgt gaagaagcac agtcagtggc agaccgtgg 240

ggctcagata aagccgttt acacggtaa gtgcaactcc actccagccg tgcttgagat 300
cttggcagct cttggaaactg ggttgcttgc ttccagcaa aatgaaatgg ctttagtgca 360
agaattgggt gtatctccag aaaacatcat tttcacaagt ccttgcataa aagtgtctca 420
gataaaagtat gcagaaaag ttggagtaaa tattatgaca tgtgacaatg agattgaatt 480
aaagaaaatt gcanaggaat cacccaaattt ccaaggctt actacatatt gcaaacagaa 540
gataatattt naggtgaaga agggAACATG aaagtttgc nctacnctga agaantgnag 600
ggcatcttta ctgcacccccc tggaaaa 627

<210> 21
<211> 621
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 21
tgagaccct gctattgctg atatctacnc agaacntgcc catcnagtgg tagtagccta 60
gtatgcaccc agcggattct acatgtcttc tggagacatc tctggaaagc taaggatctg 120
ggataccaca cagaaggagc atcttctaaa gtatgatgtac cagccttcg ctggaaagat 180
caaggacatt gcctggacgg aagacagtaa gaggatcgcc gtggtcgggg aaggaaggaa 240
gaagtttggaa gctgtcttct tatggacac tggctcttct gtgggtgaga tcacaggaca 300
caacaaagtc atcaacagtg tggacataaa gcagaccagg ccctaccgac tagcaacagg 360
gagtgtatgt aactgtgtcg cgttttcga gggccctcca ttcaagttca agttcacaat 420
tggtgaccac agccgctttg tcaactgtgt gcgattctct cctgatggaa acagatttgc 480
cacagcttagc gctgtatggcc agatttcat ttatgtatgg aagacgggag agaagggttg 540
tgcccttggaa gaaagcaagg cccatgatgg aggaattttt gcccattttt ggagtcctga 600
tagcactcat ttgctatctg c 621

<210> 22
<211> 621
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 22
acctgaggag tgaagatagt ccagnnccta agagacagcg cctctctcat tcagtctttg 60
attatacatc agcatcacca gctccctcac caccaatgcg accatggggat atgacatcaa 120
ataggcagcc cccttcagtt cgaccaaattc aacatcaattt ctcaggggaa cgctgttaaca 180
cacctgcacg caacagaaga agtccctctt ttaggcgtca gcgaggaaga agggAACGTC 240
tgttcgtaca taattccatt agtcaagatg aaaactatca ccatctccct tatgcacac 300
agcaagcaat agaggaacct cgagccttcc accctccgaa tgtatctccc cgtctgttac 360
atccagctgc ccatcccccc cagcagaatg cagtcatgtt tgacatacat gatcaggatc 420
anntacnnan tgnccctgaa ctncntgnng taaaagnntaa cggtnctaa ngnggatcta 480
tcganntgng gggcttggc cnngntcctn naattccctga agtgcancna gnttgngtgg 540
nnccntnctt tnannaangg aaatttagcc agggtntgtt gcacataact tgaacattgt 600
ntcaatgaat gaatgagaga a 621

<210> 23
<211> 621

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 23
atgctcctgg ggcccctcct ctgmcangc cttgancctt catgtaagta ccattttctg 60
atggatgagc acgtggtagg aacaccccctg ctggtaagt ctgggtgtgaa gtacacacng 120
cttgctgtgg agtcagctcg gggccttcat gggagcagcc atgtggtcat gtatctgggt 180
acctccacgg ggtcccctgca caaggctgtg gtgcctcagg acagcagtgc ttatctcg 240
gaggagattc agctgagccc tgactctgag cctgttcgaa acctgcagct ggcccccc 300
cagggtgcag tggggcagg cttctctgga ggcacatctgga gagttcccag ggcacattgc 360
agtgtctacn agagctgtgt ggactgtgtg cttggccagg accctcactg tgcctgggac 420
cctgaatcaa nactctgcag ccttctgtct ggctctacca agccttggaa gcaggacatg 480
gaacgcggca accccggatg ggtatgcacc cgtggccca tggccaggag ccccccggcgt 540
cagagccccc ctcaactaat taaaagaagtc ctgacagtcc ccaactccat cctggagctg 600
ccctgcccccc acctgtcagc g 621

<210> 24
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 24
acatacacct gtgggataca cgaacttcaa gactngatg ctantgttt tattgccctt 60
tatcaatcca ttttgggaga aaaggtacca gacctcatag ttcttccctg gaatcaagaa 120
gacgaggccc acaatgtcca agcggttaatt gattcactcg cttggattt ctttcagg 180
agcctgtctc acataacagg agaaaacata gtgaaagggg ataatgaatc tatcaggaat 240
ctcctagaaa tatttgatgg attgctggat tatctgacag aacacatcag tgaatcg 300
cccaacaaaa gtgaaactga gcagtattct aaagattctc atggagaaga agctgggag 360
gacctagaac gtaccgagga ggcgaagtgg agaaacgctt ctttatgag gtgtcccttc 420
tcatcgacca ctttggccca cactggat gaagacgaag ctgagtccac aggtgaaata 480
attaggctgg gagacactgc acatacctt tcccaaagaa gtaatggtgc tcaaaattct 540
aaggacttac gggctanaaa agcctcggt tcaccaggcg ttgagccacc tgagggaaatg 600
ttgaaccctg gcccattt 618

<210> 25
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 25
gcttgctgta acttggcttc cttacctgca cccccaagaa tggatggatn ctatcagcng 60

ggggngntgn aataccctaa actggtttc cgagcaggnc ggcancatac ccncangagc 120
tgcttaangc aggtccccga ggccttctc acactgcata ancatggntg cttgttnngg 180
gacngngna gatccaagg caaagatng ctcacccag tatctncat cctcatcggg 240
gaccaggct gcncctacaa gtacttgaac accagactct tcacggtgcc ctggcccg 300
aagggctgca ctgtcaagta cacagaggct gagatcgccg ctgcatgtca gaccctccta 360
aagctcaatg actacctca ggtggagacc atccaggct tggagaact ggctgtcaga 420
gagaaggcca atgaagatgc tggccactg tgcatacg agttcccgag ggccggcg 480
ggccgtcct gtgatgatga agtggacctt aagagcagag cagcctacaa cgtgactttg 540
ctaaacttca tggatcctca gaagatgccc tacttgaag aggagccnta tttcggcatg 600
ggaaagatgg cggtgacg 618

<210> 26
<211> 616
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 26
acttagctc ctctgtcagn atgaatggga accagcaatt ggctgcttat aaccaagaaa 60
agcagaattt catccagcac ttctccaga tcgtcaaggt gctgactgag aaggagctgg 120
gacacccaga gatagggat gctattgccc ggctcaagga ggtccctagag tacaatgct 180
taggaggcaa gtacaacccg ggtttgaccg tggtacaagc cttccaggag ctggtgagc 240
cgaagaaaca ggtatgttag agtcttcagc gggccctgac agtgggctgg tggtagaac 300
tgctccaggc tttcttcctt gtgtcagatg acatcatgga ctctccctc actcgccggg 360
gacagatntg ctggtatcag aagccaggca taggcttgaa tgccatcaac gacgctctgc 420
ttctggaagc ctccatctat cgtttgcata agttctactg cagggagcag ccctactacc 480
tgaacctgct ggagctttt ctgcagagtt cctatcagac agagatggg cagactctag 540
acctcatgac agcacccag ggccatgtgg atcttggtag atacactgaa aagaggtaca 600
aatcgattgt caagga 616

<210> 27
<211> 615
<212> DNA
<213> *Mus musculus*

<400> 27
agtgtggctg ccaacgtccg ggtggaaat gcactggcg cagggaaacat tgaccaggcc 60
aagaagtccct cagctatttc ttgtatagtc acagagctct ttgtgtgac cttctgcgtc 120
ctgctgctag gctgtaaagga ttcgtggcc tacatttca ctaccgatcg ggatatcg 180
gccttgggtt ctcaagtgtatccat ccccatat gctgtgtccc accttttga aggtcttgct 240
tgtacctgtg gtggtatcct gaggggact gggaaaccaga aggtggagc catcgtaat 300
gccatcggtt attatgtcat tggctcccc atcgggatcg cgctgtatgtt tgctgtaag 360
ctgggagtga tcggcctgtg gtcaggcatc atcatctgca ctacgtgtca gaccacgtgc 420
ttcctggctt ttattgctcg gctcaattgg aaacgcgcct gtcaacaggc tcaagtacat 480
gccaatttga aggttaaacgt ggccctgaat tccgctgtct ctcacgagcc tgctcaccca 540
gtgtgtcctg agagccatgg agaaattatg atgacggatc ttgaaaaaaaaa agacgagact 600
cagttggacc agccg 615

<210> 28
<211> 613
<212> DNA
<213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 28
 cgcagctgta tgcacaaaaca ggcgggcatg agtnccagcc agncacgccc tggngcttgg 60
 catgttcggn ncaggtaaan gaccccggagg tacaagggtca tcctggccc ncngtatgn 120
 tctgaggggca ggntcacctt cacctcccac acccctgggt agcaccagat ctgtcttac 180
 tcaaattcca ccaagttctc cctcttgnc ggagggatgc tgagggttca ctttgacatc 240
 caagtggcg aacatgcaaa cgactatgca gaaattgctg ccaaggacaa gctgagcag 300
 ctgcagctga gggtgcgaca gctggggag caagtggagc agatccaaaa ggagcagaac 360
 taccagcggt ggcgagaaga ggcgttcaga caaaccagcg aaagcaccaa ccagcgagt 420
 ctatgggtgt ncacccgtca gactctcatc ctcgtggcca ttggcgtctg gcagatgcng 480
 cacctcaaga gcttttttgg aagccaanaa gttggggnta gcaacctgtc ccaagcctca 540
 caggcgatnt ttntttcagg ctgtggaaag taagaagang actgggtttt aacccgcaaa 600
 tggttttttgg gga 613

<210> 29
 <211> 612
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 29
 aacttcaagt cataagttta gtagaccaag naggcacatt cgaggtgctg tggatgctgc 60
 tgtcccaact aacatcatg cggccaaggc tgctgaagtt cgtgccaaca aagtgaactg 120
 gcagtcttat cttcaggggc agatgatttc tgctgaagat tgtgaattta ttcaaagggtt 180
 tgaatgaaa agaagttccg aggacaagca agagatgctt caaactgaag gcagccagt 240
 tgctaaaaca tttataaaatc tgatgacgca catctccaaa gaacagacag tgcagtacat 300
 actaaccatg gttgacgata tgctgcagga aaatcaccag cgtgcagca ttttctttga 360
 ctatgcgaaa cgaagcaaga gcactgcctg gccatacttt ctgccaatgt tgaatgcaca 420
 ggatccctt actgttcata tggcagcaag aattatcgcc aagttagctg cttgggggaa 480
 agaactgtg gaaggcagtg acttaaatta ctatttcaa ttggataaaa actcagctga 540
 gttcacagaa acttcntggc agcnnggttt tgctgttcaa acaggaacaa atctcttcaa 600
 gtgatagttt gc 612

<210> 30
 <211> 612
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 30
 actgttcgat atgatatcct gcccattatct cctttgtccc ggaatcgccct agcccaggtg 60
 aagaggaaga tcctggtgct ggatctggac gaaaccctga ttcactctna ccacgatggg 120
 gtgctgaggc ctacagttag acctgggaca cctcccgact tcatccctaa ggtggtaata 180
 gacaaacacc cagtccgggtt ttttgtacat aagaggcccc atgtggattt cttcttagaa 240

gtggtaagcn agtggnatga gcttggng tncacagcat gcatggaant ntatggctct 300
gctnggcag ataaactgga caacagnaga agcattctta agaggagata ctacagacag 360
caactgcactt tggagttggg cagnacatc aaagacctct ccgtggtcca cagcgacctg 420
tccagcatcg tgatcctgga caactcccc ggggcttaca ggagccaccc agacaatgcc 480
atccccatca aatcctgggt cagtacccccc agtgacacag cccttctcaa ccttctccca 540
atgctggatg ccctcaggtt cactgctgat gtccgatcgg ngctgagccg aaaccttcac 600
caacataggc tt 612

<210> 31
<211> 611
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 31
gagatgaggc tgccgtcccg aacaacaaga atcaactgtan tgggcgttgg acaagnggnt 60
atggnatgtg ccatcancat tctggaaag nctntggctg angaacttgc cctggctgga 120
tgtgttggaa gacaagctca tnggagagat gatggacctg cagcacggga gcttggctct 180
ccagactccg aaaattgtgg ccgataaaaga ttactctgtg acagccaact ctaagattgt 240
ggtgggtacg gcaggagttcc gccagcagga gggggagagt cggctcaacc tggtgag 300
aaatgtcaac gtgttcaagt tcatacattcc tcagatcgtc aagtacagcc ctgactgcac 360
catcatcgtg gtttccaacc cagtgatat tctgacttac gtcacctgga aactgagcgg 420
gctacctaag caccgtgtga ttggaaagcgg atgcaatctg gattctgctc gattccgcta 480
cctcatggca gagaagcttg gcattcatcc cagcanctgn cacggatgga tcctggcga 540
gcatggagac tncagtgtgg gctgtgtgga accgggggtga atgtggcaag aantctccct 600
ccagaactga a 611

<210> 32
<211> 608
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 32
tgcttcgaat cctgctctt gcccagcaact tcccctgctc ggctgtctgg tttgctgctc 60
atccaccag tacagccctg ttgtttggga cccagcaagt ccggggaccc gccttttgg 120
ggaggccctg tgcaaggct tcaacggctt ctggaacagg cacggagccc tggggagcta 180
ctgcgttgc tgagccagaa ccccaccaag gtgcgagctc atcaactaccc tgcgttgcactc 240
cggcgtctgg gccagctctt ggtgtcttag ccttaggcctt ctcctgtgga gcaggccaca 300
ctgcaggact tgagtcaagtc catcatccga aactgcctt cctttgacgt tcacaccatc 360
catgtgtgtc tccaccttgc agtgttactt ggcnangann gaaatggaaac gctcctgtgt 420
gcccctcgagc aggagcgcag gnccctgtctc cctccaangc caccctcccc acatcgccct 480
gccatctatg gnggtcaaaag gttgnaagtg gcccctgagct gccccctt nctgcagnac 540
cctngtnagc atctgatcag aagcngtggca gaggcaaggc cagaagaact gactcctcac 600
gtaatggg 608

<210> 33
<211> 606

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 33

ctctgcctta ctttcncaag ggcagaaaan accaggcnca acncttntgc tacanggtt 60
gtcgacaaac gactcntntg gccgtatttc agaaaaacaca nngctccnna caaattgtgn 120
caaanggnnaa tgtatgtang gaagaatgca tggnatnngn ttnntntatt anccancat 180
gcntnggtgt nagacacttt ctgnaatgta gngtccatgg cnnggaggtat tcacaacacc 240
gaccctatgg gnnncnttccn tgctcctgan ggatgatgac aaactnngaa cagcggtacc 300
gatgatattc ctgnntngga ccnanaattc ctgaaagttg accaaggaa cacttnttg 360
aacttatnct ggctgcnaac tacttaaaca tcaaagggtt gcttgatgtc acatgcagga 420
ctggggccaa tatnattaag gggaaaact cctggaggag attcgnaaaa cctttcntgt 480
cnaaaatgga nttaactgga agaggngag gcccaggtnc gcnaagagna accnangng 540
nggaanagaa gggactgct tgggcctgtc ccctgtgaac antagaaggg gttgttccca 600
aatgc 606

<210> 34
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 34

actgagggtgt tacagtatct gaacagatgg ctgggaacga attctgggt tcagcaatgc 60
cacattccag tcagagaagg agactgggaa tcggaattac gccatcggtt attacctcaa 120
ggagaagaag tgcttcccta aggggtgtgg a catgtatggc gcccattgtc tctatttcca 180
gctgngctct gnggaggtta cctgtgagtc aggcanngtc atggcggcca ctctggccaa 240
tggcggcattc tgccctatca caggggagag cngctgagc gcnaggccg tgcgcaacac 300
cctcaggctc atgcattcct gtggcatgtc tgacttctcg ggccagantg ccttccatgt 360
gggcctgcca gccaagaccc tgtgtcagga gccatccccc tggttgtacc caangtcatg 420
gncatgatgt gtctgtcgcc gccgttagac aagctggggaa acagncaaag gggcatcaac 480
ttctgccaga aggtgnaggn ctctctttaa ctccacann tatgacnacc tgcgggactg 540
cggctngggaa anttagaccc ncggagggaa agganaaana ggtttcggaa caagaccc 598

<210> 35
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 35

tgagccgtgg cgctaggatg ggttacaaagn gctctccgtg ctcatgtgg aacagcgcag 60
qaanactggn gtctttcagc ttaaagaccg tggcttgacc gagttccct cagagttca 120

gaagctgaca ngcaatctta ggaccatcgta tttatccnnnc aacaagatcg acagcctacc 180
gcctctgata ataggaaagt tcactctgct aangagcctc tncctcanca ncaacaaact 240
gactgttcta cctgangaat tatgcaatct gaaananccta gagacactaa gtctcaacaa 300
caatcacctg agagagctac catctacctt tgggcagttg tcagccctga agacgctgag 360
cctctctggg antcagctgg gaggcattacc ccccccagtt tggtgcctga gacatctaga 420
tgttagtagan ctctctaaa accagantcg gagtataacct gacacagttg gggagctgca 480
ggccatcgaa ctcaatctca accagaacca gatctctcag ctctctgtga agatatcctg 540
ctgtcctcgc ctcanggtcc tccggctgga agaganctgc cttgagctca gcatgctt 598

<210> 36
<211> 598
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1) ... (598)
<223> n = A,T,C or G

<400> 36
accgtcttctt cctgttattgc gccttcctta acttcagctc acacatggac accaggtggc 60
gctgtcgccatc atcagttacg ttggctgctc tctgtcagtt ctctgcctgg ctgccaccct 120
ggtcacccctc gcaatgttgc tttctgtcag caccattcgg aaccagcggtt accacantcc 180
acgcacccatc gtccttcgtt gtcctggtag cccaggtttt gctgctgtatc agcttcagca 240
tggagcctgg cacgggtcccg tgccaggtgc tggctgtctt cctacattac ttcttcctga 300
ccgcctttgc ttggatgtctg gtggaggac tacatctcta cagcatntgt gataaaggc 360
ttcggctcag aggacagcaa gcacccatc tactatggg taggctgggg gtgcctctc 420
ctcatctgca tcatctccat atcatctctt atggacagttt atggacaag tgacagctgc 480
tggctggctc tggggagttgg cgctattttgg gcctttgtgg gcccggctctt gttggcatt 540
ggaggtaac attgttatcc tggttgtgt gacgagggtc atctcccaca tcagcacg 598

<210> 37
<211> 596
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1) ... (596)
<223> n = A,T,C or G

<400> 37
tgagagatgc cctgttattaa gctaataatgg aacaccagca acgagccag gaccgcgtga 60
ccacccgtacc ggtgatcccc tggcccttga gttcgccaaag cctaccatgg acctggccag 120
ccccgagaca gcacccgtccg cacctgtac actgcccagc ttccggcacct tcatggacgg 180
gtacacccggaa gagtttgcata ctttcctcta ccagctgcgg gggacgaccc agccgtgtc 240
ctcagcttgtt tcctctgtctt ccnaagngct nngattanan gcntgcgcnn annttnctta 300
tnannagnaa cttcaagttt gangacttaa aggtgtacgg ctgttacccg ggcacccctga 360
gcggcccttccatt agatgagacc ctatcccttca gcggctctga gtactatggn agtccctgt 420
cagccccctc gccatntaca cccaaacttnc agncgtncca gctttntccc tgggacggtt 480
tattttggcnn nttntccccg agccaaactt atggaaangc ctnntggca ttggacagaa 540
nagttgccnt aaangctttt tttaaggngc ttnngccac cttacaaaac ctttgtt 596

<210> 38
<211> 596
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 38

tgaggatatg aggaagantg gagacgattc gatgtccagc acccaaggct ctaactcaga 60
ggaggatctc cctgaagatt accccgtggt caaaaacatg cttcacaggc tgacagctga 120
cctgacgctc gaccctcgca cagcacacccg tgatctgctc atctcctctg actaccgcgg 180
cgtgagtcgt gctccacccg gaacgcctgc gccgctggac agccccgcgc gcttcgatca 240
gctcccgccg gtgtctgggt cgcaaggctt cgctcaggc cgccactgct gggaggtgga 300
gaccgcgaa ggccgcgtct tcagagactc tacagctcag gatgagaacg cgggagagag 360
ctgctacgcc gtgggcgtc cggggaggtc cgtaacccgc aagggcctca tcaagctgtg 420
cccatcgag gctatatggg ccgtggaggg ccgcggcggc cgcttgcggg cgctcacggc 480
tccagagccc accctgctag gtggtgccag gccccgcgg cagcgcattn gcgtggactt 540
ggactggag cgggggtcgt gtggccttct atgacggccg ctcatttggga cttgct 596

<210> 39

<211> 592

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 39

acctgaggggt gaaaaagataa cagaccngtn tgaaacccgt anacgtgggg gcgcstatcga 60
agtgggttgg gaagataccc ccggacgtct tacaagacat ggccgtgatt gcacccatgc 120
tcgccaagct tggatatgac tccatacgcc aatcctccta actacggaaa acctgacccc 180
aaganccttgc aaaaacaccag gagggtctat aanggagaat ttcagctccc tgactttctg 240
aaagaaaaac cccagacgga gcaagtggag taactgagcc cgttaacttcc cacagggacg 300
actgctgcct tgcgtacaga agggaaatct cgggaacggc tgcgtctgc gacaaggagt 360
gtctgtgccc atcgctcctg ttcacctgccc agccctctgt cccccaggggg ggtgtcacac 420
acccgggcct ccccaagtga tggctcttga gcccaggaac atgcatggcc ctnaggatga 480
ggagcccagc agggacacag ttctgtcaca gctcctcttg tccttgcctt tccttcccag 540
gtncaggatct ttaatttcaa ggaaaggaga gtttgaagtt ggcattctgt ta 592

<210> 40

<211> 589

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 40

tagcatttga tgagctgaag accgactaca agaaccctat agaccagtgc aataccctga 60
accctcttgt ccttccagag tacctcatcc acgcgttctt ctgtgtcatg tttctctgt 120
ccgcagagtgc gctgaccctg ggcctcaata tgcccccttt ggcataccat atttggaggt 180
atatgagtag accagtgtatg agcggccctg gcctctatga cccgacgacc atcatgatq 240

cagacattct agcctactgt cagaaggaag gatggtgcaa actcgcttt taccttctag 300
cgttttta ctacctatac ggcatgatct atgttctggg gagctttan aacaacacag 360
aanaatcggt ccagttaaat gcatgcaaaa cgccaccaat gaagggattc tatccagcaa 420
ggtcctgttt ccaagagtag cctatgaaat ctgatcagtt actttaaaaa atgacttctt 480
atttttaaa tgttccaca tttttgtt gtggaaagac tgtttcata tgttctactt 540
ggataaaagaa tttaaatgga attacgtnta aattaatata aaatgatta 589

<210> 41
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 41
ctggacccag aaaagcttgg cgtatcttgcgtaa gaaatgcattcg atgcgtcggtt caattgtgcc 60
ttggaaatgn ggatacagtt tgcaagtctg tgatcaaaac cggtgcgact gttgatgcag 120
ccacgttaggc tcccttaaca ggcggctttg cctctgagat cagctccacg gtccaggaaag 180
aatgtttctt gaaccttagag gctccaaat ctcgagtttgcgat cggatatgac accccgtttn 240
ctcacatctt tgagcccttt tatatcccg cacaatgga agtgcacna tgcccttcnn 300
aagatgatca actattgacg acagagaaaaa ccaggaagat catgaccaga catggaaata 360
tttttctgaa accttttat atttccttat actnctttct tcttacatat agagntatgc 420
nacnanctgt catggatatt ggctgangag ctgcnaatta cttatcatgt tantataaaat 480
ggattgagng cncaggaagg aatgctttaa ggagtgcgtt ggcggaaatc ttaagactgt 540
ttcangacta taantaccgg ggnnggggtt gattcaataa a 581

<210> 42
<211> 580
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 42
ccatccgggt ctggccggaa acctctngtt nanagagacc cggcctggga gtggcagcc 60
tgtccgcttc tctgtgctgc tgctgcattttt tatccgcttn tcctcggaga cctggcagaa 120
cctgggtact ctgcaaaaggc tggctgaggc tggctacagg gctngggncat ttgatctgcc 180
aggnccttggg cgatccaagg aagcancagc ccctgcctt attggggaaac cggccctgn 240
cagcttccta gctgctgtgg nggataccctt ggagctggga ccccccgttg tgatcagtcc 300
atcattaant ggcatgtatt cactgcccattt cctcgtggcc cccgggtccc aactccgggg 360
ctttgtacca gtggctccta tctgcacaga caaaatcaat gctgtggact acgcccagtgt 420
gaagactcca gctctcattt tatatggaga ccaggacccc atgggcttccat ccagctttca 480
acacctgaag cagctgcccc accacagagt gctggctatg gaaggggcag ggcacccctg 540
ttacttggac aagcctgatg agtggcataa ggggctgctg 580

<210> 43
<211> 580
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 43
tgaggtgagt gcaggatccg catccggatg tggtgtcct tgatccttct ttcttcgcctg 60
ctggcactga ccagtgcaca tgacaagcct tccttccacc cgctgtcgga tgacctgatt 120
aactatatac acaaacagaa tacaacatgg caggctggac gcaacttcta caatgttac 180
ataagctatc tgaagaagct gtgtggcact gtcctgggt gacccaaact gccaggaagg 240
gttgcgttcg gtgaggacat agatctacct gaaaccttg atgcacggga acaatggtcc 300
aactgcccga ccattggaca gattagagac cagggctcct gcggcttgc ttggcattt 360
ggggcagtgg aagccatcc tgaccgaacc tgcatcaca ccaatggccg agtcaacgtg 420
gaggtgtctg ctgaagacct gcttacttgc tgggtatcc agngngggg cggctgtaat 480
ggnggctatc cctctggagc atggagcttcc tggacaaaaaa aaaggcgtgg gttcaggggg 540
agtctacaat ttntnatggn ggnntggttac cataaaaccaa 580

<210> 44
<211> 579
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 44
tgaggaactg gtgtccttac cgaagtccgg ctggtnccct tggactgct tgcaaaaacag 60
agaaattccct ggtccattca cagcagccat gtccacaggg agccctgac tgccaggag 120
tcagagtcat gtatcgagt gcccagaagc cagtgtacca ggttcagcag aaggtgtga 180
tctctgttgc ctggcggtgc tgcccaagggt tccaggacc agactgccag gaccacaana 240
tcccagctta cnntntttnn gctcaanctc cntccaaant gntgnantn cggannatn 300
gatactggtc catnctcagg cacttagaa gggccaagtn accctaaaat tgcctctaga 360
attttggctg ggggagaact tgcataattgn ttactaagg aacaataata ttaatagac 420
tgatttatattt attgttacca cnaacantga acacttgcag catcaagaga accacacctt 480
aaatttgagta cactatgttt ttaattcaaa tggatataact tggattttagt atgcaactct 540
gaactgtaca agaaataaaan tttagaacca tttaataat 579

<210> 45
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 45
attttttgag attgccccaaag ttttgaagta cttcctcaga agatggtacc accccggagcc 60
cgcaggagtc cttcagtcac cagtgctac ctgtggaggc ccagcccgag cgagagtcac 120
agaatcttct ggaagaaaaat gccccttcgt ctctccaggt ttcttncgtt cccctgaagg 180
acagatcagg agctgacaga ttcacttcctc ttagatggtc tnccataagt tggtgaaaac 240
tgaagatgtg gctgatgtac ctgtgtcctt catnctggag gaatggtgca catttgnacc 300
agaacccaga agtctactng angggacag cagggaaagga ggtatgagtga gagnaccaca 360

tcctgtnggn natcactntr nanntttnan tggnnntgnca cttgggtcnt gaaaccaggg 420
gtggagtncg acncnactgn ngtccaantg tttctgnctc ccgaangnng gaattnaggg 480
gagggngcnn tcnctcctgg cnagggacna nnttnaatna tgngtggaa ncncctnct 540
ggnnnaaggan naatcntnnn ctgggagggc agcaaac 577

<210> 46
<211> 574
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 46
ccaaactacta ccgcacctgg naacgtcgtg gtccatgact ggctgtacag ctatgtgtat 60
caagatgggc tggcttctt aggccaggcg gctcgccggg tggccatgct gggagtgttc 120
ctgggtctg cggnggttca tgagtatatac ttctgcttcg tcctgggtt cttctacccg 180
gtcatgctga tgctattcct tgtttcggg gggctgctga atttcaccat gaacgacagg 240
cacacaggta cagcctggaa catcctgatg tggaccttc tttcatggg ccagggcatc 300
caggtcagcc tatactgcca ggagtggat gctcgtcgac actgtcccct gccccanaca 360
acattctggg ggtatggngac accccgctct tggcctgcc atccctanaa gtcaaggctt 420
catgctacac aaangaacag natcaaagct nttttttgc cttgaaaag cccaaacna 480
gggttcccnc actacctnat ttggangca gggactttgc naaaaagaac cttccaggg 540
ggccatgggg gactaaggac cccccctttt gggg 574

<210> 47
<211> 569
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 47
attctgttca gcgaggctt tagccccagc cccacagaag ttncattta aaaaattatc 60
tgtcaaacca gggaaagtgaa ggccaggcc ttaatccca gcactaaggn aagcagtagg 120
cagaagggttcc tcggaagtc ccttgtgtg actgtatggc ctcaagatgg cagtcaccc 180
cattggaaac agcacagcca tccaggagct gttcaagcgc atctctgagc agtttacggc 240
tatgttccgc cggaggctt tcctccactg gtacacgggt gagggcatgg acgagatgga 300
gttcaccgaa gctgagagca acatgaacga cctcgctct gagtaccagc agtaccagga 360
tgccaccgca gaagagggaa aggatttcgg agaggaggca gaagaggagg cctaaggcag 420
agagccctgc atcagctcag gctgcttgc tccctcagct ttctccaact gcccgggttc 480
ctccagnnttc tttctgctgc ctntgtctt tattttttt gntctgtttt cttattgggg 540
nnaatggtg cctggcacat ggcaggcac 569

<210> 48
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (1)...(568)
 <223> n = A,T,C or G

<400> 48
 tgaggcatgt ggcgacccca gggctaaacc ctcctacctt attgacaaaa acctggaat 60
 ctgctgtgaa attcatagtc agaaaatttc ctgctgtaga aacgcgcaac aacaatcaac 120
 agctggcaca gctacagaaa gaaaaatcag agattctgaa aaatctggcg ttgtattact 180
 ttacatttgc agatgtttagt gaatttaagg accatgtctg tgacttgctg aatactattg 240
 acgtttgcca agtcttctt gatatnactg tgaactttga tttaacaaag aactacttag 300
 acttgactgt aacctataca acattaatga tactgctgtc ccggattgaa gaacggaagg 360
 caatcattgg actatacnat tatgcacatg aaatgaccca tggagcaagg gaccnagaat 420
 atccncgcct tggtcagang attgtggact atnaaaaaccc tttaaaaaaag anganggaag 480
 aatttgaccc catagcnagt ctcttcaga tgcgctaatt tctcttcaga nggggatcc 540
 tagacggaac ctttcagcag acccgtgg 568

<210> 49
 <211> 564
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 49
 acctgaggcc tgactacccc gcgggtactt ncaggccagc ntaactttcg gntgccngca 60
 ctggggctgt caggcgtttc cnngaaggat ccaggancgg cttanctaatt ccaggcagtg 120
 acctgggana actcgggnaga ncccggtggca gcccctcagca tccagctgggt gaacctgatt 180
 cctgnnttcc ggnttaggcct tcagatgtgt tttgctgaat atcactttca gaagatcccg 240
 gctaaacttc ttctgtacat tgctgaggat gtcgtacacg actctctcca gtgggaccag 300
 ggcttcagag ttgcctgaag ttccaggacc aacttgaaga tagagaagca aacaggattc 360
 cccgagttct gtcctcacat gacccaactg cctctggctc tgggatttgg aggtcttcat 420
 ggagctgagt ggcagccttc aatacttcct cgtatatgac cattaaaaaaa attaccaaca 480
 ccctatttgg tatatttgc ggaccttact ggagcaggaa aaatttgaat aaacttaaag 540
 tgagtatcca tagaaaaaaa aaaa 564

<210> 50
 <211> 564
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 50
 aaccctttac ctttgctgga gaggttgaag aggaaagtga agctgttaaa gaaagtgaag 60
 aaactgaacc gaaacgtcaa tggaaagaatt taggtgtcag gtgantgact gttctangat 120
 tttccaagca nttactggcc taatacagca ctacatgaaa cttcatgaaa tgaccccccga 180
 ggaaattgaa agcatgactg ctgctgtgga tggggcaaa tttccatgtg atcagttgga 240
 gtgttaagttg tctttacaa catacctgag ctatgttggt catcttgagg tagaccatgg 300
 aatttggaaaca aggacaagta aggacagaana agatggcata tacaagtgtg actgtgaggg 360
 ctgngacagg atatatgcca ctcggtctaa tcttcttcga cacattctt aataaacata 420
 atgacgagca tanagcccat ctngattcgg ccaaagaaaa ttaactggcc agganaataat 480

atnaagtaan ggtaaaccaa gcaaaantca aagtctaaac atcggacaac aaaaacccca 540
acagatccgg gaaagacggg aatg 564

<210> 51
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 51
gagacaaggt aaggttactc ggcaggcagt taaacccaac agtgtaactt acaggaccaa 60
atctggcanc atcttgcgtc ataagncaac cattancagg gaggctaccc ggttacggag 120
ccgatggctg acatatttca tggccgtcaa gtccaatgggt agcgtcttg ntcgagattc 180
ctnccaggtg caccactag ctgtgttgccttaacagat ggggacgtgc acatncgana 240
tgatgggctg agggccacca tctcatttgc tgacagngac ctgcttcggc tggaaagggtga 300
ttcacgaact gtgcgggtgc taagggagtt tcgtcgagcc ctaggacgga tggggagcg 360
gagcctccgc agcgagtttag ctgcacttcc tcttaatgng cagcaagaac acgggcagct 420
gcttgcactg ctggcagagt tgcttcgagg accttgcgtgc agctttgata tgcgcaagac 480
agctgatgac tgagcctc ttccgctggg gctatgtaca gagtgcaaataat 540
aataaagtta tatttataccc ttg 563

<210> 52
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 52
tgaggatcct gacaggctgt tactgatgta tccctgtcta aggaccttta ccctctggct 60
ccactcttcc ctcaactggga tctatgtctc tggctttat tccatcggtt ttgtcaactg 120
tcccaatgag caaattgcca gagacatcgccagggccatc ctggataaga agatggcttc 180
gtctgtgaac atcttgcga agaccttcc tctgtacttt tggaaaggag aaatagaaga 240
aggcatttagt gtctcaactgc taataaaagac aaagacttcc aaggctcccc ggctgtttgc 300
ctatatgagg ttggcgcatc cttttgaaat cccagaggc ttcaagtattt ccatggacca 360
aggagatgct cgcttttac gatggcttga ggagggaaatg aaggagaact aaggagagag 420
aaccttatttgc tgcaggcttc tgcctcttagc ctttgcgtac tggatgttgc gaaaaaggcag 480
gcctccttgc gcctcccatt gaatgttcc aacagcagac agntcttagc tgacctgngc 540
atgctgaatg aaggcttgc 557

<210> 53
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<210> 54

<211> 550

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1) . . . (550)

<223> n = A, T, C or G

<400> 54

cgtttatggc aatgttgcca ggtactttgg aaagtaagna nagaagcaag nacgggcaca 60
ctcaccagtg gnactgtgt a cgtgaagccc tacagaaaacg aggnngtntt cgctttgc 120
cgngaangag tttttgcag gtgcnnnctg tnnnnctgac atnctacttg nagttgtgtc 180
nagnancttt ctcttagaat gacgngggcc cgttgngac tcncaccant acatcccattc 240
agatatcttt tcattgaccc ccanganann cctgtgactc tgnaccactt actgaagctc 300
ttccagtcg acaccaatgc catgctgggg aagaaaaacag tggtttcaga gttctatgac 360
gaaatgatat ttcaagaccc aacggcaatg atgcagcagc tgcttacgac gtctcgccag 420
ctgacatgg gagcctataa gcacgaaaca gagtttgcag aacttgnngt gaaaaccagn 480
gaaaagttaga agctgccaag aaganaacaa gctttngat tgccggagct taagggggag 540
ataaaaagca 550

<210> 55

<211> 548

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1) . . . (548)

<223> n = A, T, C or G

<400> 55

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cccaagtaca  gctgccactt  caagaaaagga  aagcggtaact  tttatTTTta  caatacaggt  180
ttgcagaacc  aacgcgtgtt  atatgtgca  gactccttag  agggggaggc  cagagtgttc  240
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gaagatggcg  aataactttgc  ctatggctcg  agcgccagcg  gcttccgact  ggggtgacga  360
tcaanttcat  gaaagggtcga  tggngccaaa  gagctncccg  gatgtgtcgg  agannagnna  420
agttcacctg  cntgggcctg  gnnncntgac  gggaaaggggta  tggTTTTTtan  ntTTTACCCC  480
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tttccacg                548

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<210> 56
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 56
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gtcaacacgc cctccagacc tccttccagt gaattcttgg acctgagttc agctagttag 120
gatgactttg acagtggat cagcgaacag gagctgaagg ggtacgcctg ccgtcactgc 180
ttcaccacca cctccaaaga ctggcaccac gggggccggg aaaacatcct actgtgcacg 240
gactgtcgca tccacttcaa gaagtacggt gagctgccac ccacatcgaaa gcccgtggac 300
ccccccgcct tcatgttcaa gcctgtcaag gaggaggacg atgggctcag tgggaagcat 360
agcatggat cggcggcggag ccggggctng atgtctacac tacgcagttt tcggaagaag 420
cagcccccca gtctgtatgg tcgtgcctca cccatcaatg aagacatccg atccagtggc 480
cggaactccc ccagtgctgc tagcacttgc agcaatgaca gtnatancan agacagtgaa 540
gaagtcag 548

<210> 57
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 57
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gccatttcag gatccgggat aggaaattag caaaagccgg ccnnncagga tgtnncntaag 120
agngtgaaga ttcaggaagg ancnntcngg gaccnacaat agctnttnc cagtgaacag 180
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atcctggagc tgctgtgtct gggcagttc ctgaccatcc tatcttagga gttgcaggcc 360
tggctcttagc agcagcaccc agacatcagg aaggaggcgg tggcttagtct tgaagacctt 420
tgcaagccca naaaggaggt gagatgagga ttgggttct agacactta tactgaacga 480
agagcagagt ttgccttggc tttgggttac aagccctgcg gttcccttgt ttttgtgt 540
aaca 545

<210> 58
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 58
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ctgccntggc acagcactca natgcttctg nacgaactac ggcancatga nnaccccagg 120
 aantttgatg ntctggataa gcntggtnca ggncttgtaa gncagtgtaa ggcacacttc 180
 ttgcctctg cggtagntct gagntggan gancctgcct atagcctggn tctggccagc 240
 ctggcactac nctnctngnt ncagccccac ctaaccangg ttgggtnttg ggacgggttg 300
 agcngggccc tggagggcct cccganagac agcccagtn agaaggaggc tacttanacc 360
 tacgacgcct aattcccccctc ccctggntct tcttcattnt gagctgagng ggctgcccct 420
 gcctggctcc tgagggttcc ctancaaagg tgggggcnnna aaggantcat tatctttga 480
 ntatctgcat taaaactgc tccagggct ggagagggct tgatgcttt ccagaggacc 540
 caag 544

<210> 59
 <211> 541
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = A,T,C or G

<400> 59
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 ttccagtggc ggaactacaa gctcatagtg gatcctgttt tggaccctgc tttgcgcagg 120
 ccttccaga aggtgtacccg ctatgacgga gtccacttca gtgtcagtga ctcaaagtat 180
 accccctgg aagacctcca ggaccccccgc tgcgtatgtca ggtccaaagc cagagacttt 240
 tccctcccg ttcctaagtt taagctggat tgcgtatant gttaatagng aaaccnaaca 300
 ccacattttt atanttggaa ttaaacttta ttgtacggaa accttanta agganangnn 360
 ccaaaaaata tgganaggg naagaagnng agatccttct tcattcccgactcgaaagc 420
 accttaggcct ggccctgtg ctcttnacca gcactcgaaa cgccaaaggaa actgtaaaa 480
 acctccaccc nacntntgtc atggcaaca tcattcatgc ccagcttgc atcaaaggcc 540
 a 541

<210> 60
 <211> 531
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 60
 aggttgcataatacagnac ttggnaaaact ctgcaagcac ttagcagtca gcatttcgag 60
 cagcggaaagc gagggcatgc tgcgtatttc caatgagctg tcacaatgtc agaatgcagt 120
 tcagacagca gcagcacagc gctcgcagac attaaaacgt aagctgtgct agaacaaaat 180
 gcaatgaaag aaacactgga tgattaaaaa gcccgttgc gcagccccctc agcatggcag 240
 gcctgcagct catgacccct gcttcctcac caatgggtcc tttctttggc ctgccatggc 300
 aacaagaagc aattcatgtat aacattata cgccaaagaaa ataccagggtt gagctgctgg 360
 aagcagctct ggaccataac acaattgtgt gcttgaacac tggctcaggg aagacgttca 420
 tcgcgtcct gctcaccaaa gagctggccc atcagatcag gggcgacctc aaccgcatg 480
 caaaaaggac cgtgttcctc gnaaactctg naaaccagggt tgctcaacaa g 531

<210> 61
 <211> 530
 <212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 61

gtacacctgg ttctctgnnt tctgcagttc ggcactggna aaccattcac cgtaatgtct 60
taggaaaaca gttggagcaa ctgcagcccc taacaggaag cccttggaa gctgcaccc 120
ggctcatcgt tgcctagtgc gtcacaggag cccttggctt caagccctc ccatgtgaag 180
tgtgtgtgct acggcttgg gaccttgcc tcctgccccca ctgctcgat ccagcttgc 240
tttatgcttc tctttctaga gaagtgcag gtccccagaa gtcactgctg ggtctatgac 300
cctctgttca gtcagactga ggttccgtt ctcacccccc tcggcgtgac tgcctcagt 360
gagaatgagg aaggcangcg cnntgcncnn ngnncagnna ctgtgttata catgcncnn 420
tgtgggacan ctgtntacaa caacctgctg tggagnact ggtctgcnga cnccgtgn 480
agggngctca tcnttagggaa cagttacgaa ggccttgagg aaagggttgc 530

<210> 62

<211> 526

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 62

cactgacaaa ctggccttcg atgttggcct tcaagaggat accacagggg aggcttgctg 60
gtggaccata catcctgcct ctaagcagag atcagaagga gaaaaagtgc gtgttggaga 120
tgcgttcatc ttggtcagcg tgcctcaga aaggtaatttgc cactgtcat atggcaacag 180
cagctggcat gtggatgctg cttccagca gaccctctgg agcgtggccc ctatcagctc 240
aggaagtgaa gcagcccaag gctatctcat tggcggtat gtttccggc tgctgcattgg 300
gcacatggat gaatgtctca ctgtcccttc aggagagcat ggtgaagaac agcggagaac 360
agttcattat gaagggtggng ccgtatcagt tcatgccccgc tccctctggg gactanagac 420
cctaagagtc gcgtggagtg gaagccacat aagatggggc cagccattcc gactccggca 480
tgtcacgacn tggaaaatac ttangcctca tggaaagacaa gaacaa 526

<210> 63

<211> 515

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 63

gtgacttatt actatnmcag cagaacctgc ctccccagca gattgccagc acctatgaca 60
tcatccccctt cttcgctca ttctgtggc tcctaaatgc tcacatctcgat ggcctgggtt 120
cagttgggtt tatggagggg tgctgcttag cactgaccc gatgtgtgt taaaacccac 180
tgacccaaatg gacatcaaag gccagttctg gaatgtatgat gattcagaag gagataatga 240
atcagaggaa tttctgtatg gagttcaggg gagctgtgca gctgacccat atagacaccc 300
acagcttgc gacacattt aagcgtgaa agagatctac agtgcactt ccgtgtccat 360

cagagaatat ggaactatcg atgacgtgga cttgaccc cacatcaaca tcagcttcct 420
cgatgaggaa gtatctacag ctttggaaaggc ctttgcaca gaaccttattg tgttgaggct 480
acggtttct ctctctcagt accttgcattt accag 515

<210> 64
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 64
gattcggggc ttgctcccttgg tggnaatgt angaacttgg angtacacgt cctctgggtc 60
ttccgggtccc tggaaagaaaa ttatgtctgg gcgngtctac ntaagtgcctt ntcagcaact 120
ttgttaccac cactctctga actggaccag gacttctgcg gggggccgc gaggagagac 180
ttgacatcaa gtacaaccgg cctctgggag aatgcgttgc agagggcaaa gtgtgtgatc 240
cactgtgctc ctctgggggaa tgctggggcc caggccctgg ncagngcttgc tcttgcgaa 300
actacagccg nagaagggtgtc tgggtgactc actgcacacgt tctgcanggg gaaccccgaa 360
atgttggtca tgaggctcat tgcttctcctt gccatccaga atgcccggcc atggaggggca 420
ccagcacgtg caatggctcn ggctncgacg cttgtgctcg atgcgcggcat ttttcggggaa 480
ngggggcccac tggngggaaac agttggccccc atgggg 515

<210> 65
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 65
acattcagga cctggngaaa atccaccntn attaaacgag actcagtnctn tnnncaacct 60
ggtantgagg gatcnnncgn cnctttcatt tcnaaangnt gngcacggaa acaaatacta 120
atgaacgcattt ctctntgcgc cggggtngtg gaaaantgan gaaggggagg tatnaagggn 180
aaaatntaactt tgggggacac cgcctggctt tggggactnt gtggantggg caaactgctg 240
gctgcctngt gttcgcttta ttgaggagca nttttagacaa tacctcaggg atgagaggg 300
cttgaacagg aagaacatcc agggattcca ggagttccatt gntgcctcta cttcatataa 360
cccttggcc gagggtctccg gccccttagat gnggcttnc tccggggcag tgcncgagaa 420
agtnantatn atnccgggca ttggnaaanc aaaacccct tggatgcctag gggagactna 480
ggcccttcaa gcagaaaaac cggggaccag tt 512

<210> 66
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 66
aggacccatg ggcactcaag tgntncagat gcnaggtcaa gagacccttt cagaaanatg 60
acttcttatt tataaaactgc acttattgca accacagggt acccgactnt tttctggtat 120
gtccaatatt ctggagaagg tccacagctc cttctgcaag tcacaactgc caacaacaag 180
ggaagcagca gagggtttga agctacatat gataaaagggaa ccacttcctt ccacttgcag 240
aaaacctcag tgcaagagat agattcggt gtgtactact gtgctatgag agacacagt 300
gcagaaaactg caggggcagc tgagcataaa gtctgagaag caaaaagaaaag cctgacttt 360
gataattttc ctttgaatc atcctgtttg catgcagtct gtgttgtgt 420
tctagttgat gaaagtcaaa caaatggta gaggcagaata caaaatagat gatactacaa 480
ctgttattttt gtacaggaaa ttagacg 507

<210> 67
<211> 498
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 67
acccacacatt tctcaangaa tggtggcngt ctggcatgca cctgctgatc nnnnccacan 60
ccatctggaa gagctctgtc cacccctttt ctgnaccaac ggggnntnnt gctatgngna 120
ggcctnaggc cggccacagn gtcctgcga ncctgggtgg acaggntgag caatgccagc 180
tcnganactt ctgnntancc naccctnng ccaacggagg cgtgtgcctg ggcacatacc 240
cacaanacca gtgcnggtgt ccacccgggt tcnagggtca cacctgtgaa cgcncatna 300
acgagtgtt tctggagccg ggaccctgca ctcagggcac ctcctgccat aacaccttgg 360
gttnctacca gtgtctctgc cctgtggggc aggaaggnc ccagtgcang ctcaggangg 420
gagcctgccc tcntgaaagc tgtctcaatg gggcacctg ccanctggnn ccagaggac 480
actccacctt tcatctct 498

<210> 68
<211> 493
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 68
catgcccagt tgctgtantc ccnnatagtg attgagcaaa atggggact ctttcaccat 60
ccagacgtgc agcagcctca gggacttacc ttgtaaaatt caaagttgga gaagagttt 120
aggaggataa caaaggcctg gataacagaa aatgcacgag cctgggttacc tgggagaatg 180
acaactcac ttgcgtacag agaggagaga agaaaaacag aggctggagc cactggatcg 240
aaggggacca gtcacactg gaaatgttct gcgaaggcca ggtgtgcaag caaaccttcc 300
agagagcctg atacatctcc agcaacagag cccgcttgag gcaactactc aatgccaagt 360
tatctcgtag aaggaacggg ttgttgtctg ttttgggttg atgaagggtc ttgtcattgg 420
aaagatgtca cacagcctgt atganaaaact gtttatttc aggacagttt cagctccaat 480
aaacctgctc aag 493

<210> 69
<211> 491
<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 69

catgcctggc cagggntctt gttccccccc aaggaaactg gtgaaggagg agganaatct 60
tcaggtaccc ttcacagtgc tgcaggggtga gggagtgaa ttcctgggcc gggcaaccga 120
tgccttcatt gccatctcta actaccggct gcacatcaag ttcaaagact ctgtcatcaa 180
cgtccccctc cggatgattg acagtgtgga aagccgtat atgtttcagt tgcacattgc 240
ctgcaaggac tccaaagtgg tgaggtgagc acagcgggtc tcgttcatgg nctctgaccc 300
tcgccttgta canacagaca gacctctctg ttgcacgcta cccttggagt aagaggatcg 360
actccacttt ctgttccccca ctggagggaaa aggggacaaac tcacttcccc gttcttagtc 420
agaaggtcaa ttggctaacc cattctgtct tgacttggaaa taaaatgggg atggagccgt 480
aaaaaaaaaa a 491

<210> 70

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 70

ggcaataagg ccctgcnctg ctggaaaca ttgatgatgc cttacagtgc tactctgnng 60
caattaaact agatccccag aaccatgtgc tctacagcaa tcgccttgca gcctacgcca 120
aggaaaggag actaccagga aggcttatga ggacggctgc aagactgttg acctgaagcc 180
tgactggggc aagggttatt caagaaaagc agcagccctt gaattcctaa accggtttga 240
ggaagccaaa cgaacctatg aagaaggaaa aaaacatgaa gccaataatc tccagcttaa 300
ggagggcttg cagaacatgg aggccaggtt ggcagagagg aaattcatga atccattcaa 360
cttgcttaat ctataccaaa agttggaaaa cgaccccagg acaaggctgc tgctcagtga 420
ccccacctac agggagctca tagaacagct gcagaacaag ccgtcagacc tgggcacgaa 480
actacaggat c 491

<210> 71

<211> 475

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 71

tctggggaaa gcaaggactc aggctccc acccacaggt cagcttctag gaaaaatgtct 60
agggccgaga gcctggagca caccgagaag ccggAACCTG cggncgtcgc ctctgtctcc 120
ggaaaaggggaa agaaaaggcaa ggnaaaaangt gcnaacggtcc ctgtctgctt cagcctncag 180
aagnnnnnnnn cccnaanat cagggggnc cacattttca acangtcaca cacagcctga 240
ggcctgnctt aataccacat tccccgaata ccccccattct nccaaggcca ttgctacctg 300
ctctncaagc ccctcccaca aggcattgc tacctgctt ccaagccctt cccataaggc 360

cattgctacc tgctctccaa gctcctccca agtgnctgga cttaccctcc tgcagaaga 420
cagttagtga tagcaagcat cagactgctc accaagtgtt tttaaatata caagc 475

<210> 72
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 72
aatacggatg gaccccacnc ataactgcat gcctgatgga catantnaat gccagggncc 60
atgcactcat taactggtag ccttncagc cntccttcta acatcagggn tagtaatatg 120
atttcaactat aattcagtna cnntattaac cctnggncta ctgaccaata tcctcacaat 180
atatnaatgn ngacgagacn taattcgtga nggaacctac caaggccacc acactnctat 240
tgtacaaaaa ggactacgat atggataat tcnattcatc gnctcggaaat tattttntt 300
tgcaggattn ttctgagcgt tctattattn tagcctngna ccaacacatg atactangag 360
gctgcngacc tncaacnnga attnaccac ttaaccctct anaagnccca ctacttanta 420
cttnagtaact nctagnatca cngtgtttt aatttcntrng agctcatcat ttggc 475

<210> 73
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 73
catattcggac cacctgctgg ccctgttgggn gtnctncgta ctgnnggcac tgcnagtgg 60
tggcttgcact ccgggtgcctc tcctgggtgnn aacgtctttg tgccctttt ngccgnncnac 120
gggctcagta cctacttcac caccatcggtt nncgttcgac tcttncaaga tggggagaag 180
cgactggctg tgctgcgcct cttctgggtt ctcaccgtcc ttagcctcaa gtttgccttt 240
gagatgttgc tggccagaa gctagtggag cagactcgag agctctggtt cggcctgatc 300
acgtctccgg tcttnattct cctgcagctg ctcatgatcc ggacttgcg cgtcaactag 360
cctcttgcag tggctggaaa tggagcactg cgcagctgaa gttctggacc tcccggcct 420
gacccaactt ggtgccacac ttgggtgganc tttggatcaa aaatttagagg gt 472

<210> 74
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 74
aagctttctc actatggac aaggacggg gnatgggtac aataacaaca aaggtagctg 60
gggacagtga tgaggtccct gggcagaac cccacagaag cagaactgca ggacatgatc 120

aatgaagtag atgcggatgg taatggcaca attgattcc ctgaatttct gacaatgatg 180
gcaagaaaaa tgaaagacac agacagtcaa gaagagatta gagaagcatt ccgtgtgtt 240
gataaggatg gcaatggcta tattagtgcgca gcanagcttc gccatgtat gacaaacctt 300
ggcgagaagt taacagatga agaggtcgat gagatgatca gggaaacgaga cattgacggg 360
gacggtcagg taaaactacga agagtttgcgaaatgatga cagcgaagtg aagacattgn 420
acagaatngt taaaatttct tgtacaaaan ngtttatttg cctttcttt g 471

<210> 75
<211> 468
<212> DNA
<213> Mus musculus

<400> 75
catgccgtgg ctcagtcaac atgcccattca tggacttcc gacgaaagat ggcttcgaga 60
agagcccaga ggagctgcgt gccatattcc aggacaagaa ggtggaccc tcacagcccc 120
tcattgcccac gtgcccgaag ggggtcaactg cctgtcacgt tgccctggct gcctacctt 180
gtgcaaaacc cgatgtggct gtttacgtat gtccttggtc agagtgggtc cgccaggcac 240
ccccagagac ccgtgtgtcc cagggaaaga gtgggaaggc ctgagttgtgc 300
cctctgccccca cccaaatccag ccagttccct tcagggaggt tggtgtgacc tgctgttaggt 360
tcacctttta ggctacggat attgacaggg ttttagaatt gcttttgggtc cttccctccc 420
tccctccctc tacattggaa taaagtgcct tttctcagaa aaaaaaaaaa 468

<210> 76
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 76
agctccatct gggggccggc ntctgtgtgg gcctcagccc tcctgctgtgtt 60
ctccataatcg ctggggatca gggacncaca gggacaccac cgccacggga aaagggggctt 120
cncatgtga actcagggtc aantacccgt ncngngctgccc ctggcngagc tagnggnctt 180
gncctgcttc ttaccctgc aancacggct aagctccctg cgagacattc ctggatnan 240
gnggactaag gttcagactg catnaggcca gcgacaggat ttgccaatct tggtggccaa 300
agacaacgtg gtgcgtgtgg ccaaggctg gcagggacgg gtgtcattgc ctgcttatcc 360
ccggcacaga gccaatgcta ccctctgtgtt gggccactt cgagcaagcg actctgggtt 420
gnatcgctgc caagngnnaa agggatcga agatgagcag gacctgg 467

<210> 77
<211> 462
<212> DNA
<213> Mus musculus

<400> 77
agcacctcca accatctgtg gctcctgtct gatatcctag gccagggggc cactgcaa 60
gtcttcggag gaaggcataa gaaaactggt gatctctatg ctgtcaaatg attaataac 120
ataagcttcc ttcccccagt ggtatgttcaa atgagagaat ttgaagtgtt aaaaaaaaaactc 180
aatcacaatggc acattgtcaa gttatgttctt atgaaaggagg agacaacaac aagacataaaa 240
gtgttattttt tggagtttttgc tccctgtggg agtttataca ctgttctaga ggagccgtcc 300
aatgcgtatg gacttccaga atcagaattt ctcattgtct tacgagatgt gggatgtttt 360
atgtgattttt atatatgtgtt ttgttataat gggttcacac gtacgtgtat tattaaaga 420
tacagaatga aaaaataattt tcctacattc aaaacaaaaaa aa 462

<210> 78
 <211> 453
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(453)
 <223> n = A,T,C or G

<400> 78
 cagtttatga tgcttcacac aatctagtga gaaaaactgc agnnncntgn ctttctcaaa 60
 atgactggta agntagnatg ncagcaacag tatnatttt ttcaaaaanc agaactttat 120
 atacggaga gtgttaaagg ancgtgtgga caggaaagaa gttngcagca actgtacact 180
 anctacnagg accctcagga tgaaaanana ntnggaatag atggnataca gcagttctgt 240
 gatgatctgg ccctcgatcc agccagcatc agtgtgatgn tcattgcntg gaagntcagg 300
 gcccacac tgtgcgagtt ctccaaacag gagttcatgg ntggcatgac agagtttagga 360
 tgtggctgcc tagaaaactct aaggcccng nnacccanna tggancanga ntngnnagaa 420
 ccaggacgat gtaaggattt ttaccagttt act 453

<210> 79
 <211> 446
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 79
 aactcaagac ttgttattcc aactccctt tggttcacac accagaacgt tcctccagga 60
 agtggccaga gcctgtccag gtaggtanca tccagaggtt cctggaaagg ctgtgttggc 120
 tgagagact gctgtactct cttggtagtg acagttgact ttccaaacccc attggggtca 180
 tacaactcag tttccgcacc atctcanggg nggtggcatg gagtcacagt gcctgggctg 240
 ccagctagct acacgtttgc ttnccttt tgagaangag ggttgcctc cctattnctg 300
 annctnnnc tcagcttct cccgagggct tggcctncaa cttggggacc aacctggccg 360
 ncnttgggtt ttngnttcgg gtacaaaaac ctgaatgtt actggggctt gggactttga 420
 ganttcgggg gttccctcca agttaa 446

<210> 80
 <211> 443
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 80
 caattttgaa ggatcatggn cttaacaggg aaatctgacg tttggatggg atggggcgtc 60
 ctggaggcta ctcacgggtc tcangttgct gtgtctgnaa gcccacatcctg 120
 gaaaaaggtg ctccttggcg aagtcatcnc cgatacaaaac gagaagacaa gttggggcgt 180
 gccccagaaa atatgctctg acgtcatcga ggagacacac gctgtgctgc gcaaggtttc 240
 tgacatgaag gaaggacacat tgtaactgag aagccagctc tccttgggtgg aagcctttag 300

gatggaagag ctnangattc tccaggcttc tgctgaaatc ctgagtggct tgctagcccc 360
 cttttcctg acctccgggg gtcaccgngg ttccctccta tggaggatgt accngccggc 420
 tgcgtntta ctgaggttgg aaa 443

<210> 81
 <211> 440
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 81
 tcctgctgct gccttgctn ttgcggggt tttatgagct tgtactgneg ntttnattn 60
 acagggtgng naactgcnc ttgcagtgan gantnanccn cactncntgt nttaccnngt 120
 ataatgatta gaatgcctn cctacaaaat ttnccaaact naacacccaa ctggttctnt 180
 ggnatnatnaa aaagaacggn atcgaggaaa cagntgctaa gtgcaggang ctgggtgcc 240
 aggcccncntcc ntttggng gactgcanc acggggaaaga gatttacagc gctgcaaaaa 300
 aggttaangga agaagttgna natgttagca ttntggtaaa tattgcgggn gttgtctaca 360
 ctgcanactt atttgctncc caggaccctc anattgaaaa gactttanan ntantngngt 420
 tgcccaactt tggaccacct 440

<210> 82
 <211> 433
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 82
 ctgtcagcgc ttcaatggaa caaaaaccatc ttgcattt ggggctgcta ggaacttgg 60
 tcagaaggct caattggggg atagccgact gagcccagaa tgtggggcat ctggatttga 120
 ccaccctctg cccggccctc catgcttgg tggctgatgg gctgaagcca ttccggaagg 180
 acctcatcac tggacagcgg aggagcagcc cttggatgtt ggtggaggca tctgtgaaac 240
 cagttnctg cacacattcg atggatctc tgtacagcca ggtcanccga ctggccctc 300
 ttagtagcag ccgcagccgc ttccacgcct tcattctggg cctccctcaac accaaacagn 360
 tggaaactgtg gttttccagc ctnaggang atgcaggcct actgtccctc ttgtatctgc 420
 ccaccggatt ctt 433

<210> 83
 <211> 430
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 83
 gttaataactc ctgatagagc cttaccggaa ctccctnatg atcacnntt cgncccttt 60

ggtccatntc tccgcgcgtgg aaaacaaaaga ggtagaagca tttggcncat ggctccaaac 120
 acagacagac acacagagac acatagcnat naaaaactcac catggcagaa acagtgaat 180
 ctcgggcattg catcttcttg gtgagccagn ccacccctnct tctggngttg ataaaagatga 240
 ctgcctgggt gatggtcagc gtctcataca agtcacacaa atggggtnaa gcttccactc 300
 ctggaaagatt cagaaaatgtca ggggttacac ttcaacaaac tttactacca gggctgcctc 360
 ctggactggg ggcctcaacn ncttggtccn cattgatgna naattggggg atncctccag 420
 gggcaatttt 430

<210> 84
 <211> 423
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

<400> 84
 tgacactaag tttatccngt gatgcgggct nnnggtgatt taatnttaa ctgttntnct 60
 agctatatag tgaaaaagac tnanatcttg ntntgnagaa ccnggantan ntaanattct 120
 gnctgtggat aatcccgtt gctttctcg tgcacttgc ggctggggag aatgtcctgc 180
 cctccaccat gcagccaggc gatgacgtgg tctccaatta cttcacccaa ggcaagcgag 240
 gcaagcgcctt aggcatcctg gttgtcttct cttcatcaaa agaggccatc ctacccagnc 300
 ggcagaagat atactgaccc tttggggagg gcatgtgggg ggcaagacca agagagccag 360
 gcccctggga ctctgggcta atcgtgcctg ggagcctggg aaggagnctt ctgccagccc 420
 agg 423

<210> 85
 <211> 423
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

<400> 85
 cccccaaca tgaacccagt anaaccatgt cccttgacc agcctcaccc ccagggtctg 60
 ctgcagtgcc agtcccagggc aacatgctgt gtccagccct gaaccatgc tttgctcaga 120
 tgtgactatg gtagtaggac agctgcctaa ctcagcctgt gggaggttcc ccccaaggca 180
 cctgggtcag nagaagacatg tacccctcccc tgatgcctac ccactgaaca ggacctcacc 240
 aagcttttc tgggagaacc aaggggaggc aggaggggttcc ttaagaaag ccagccccctt 300
 cctngaacca tttccttat gggaaaatca gggnatctan ntgtccncct ggaccnaagg 360
 gaccaanccc nanctngggg gatcccancg gggaaaancc ccaaaaaaaaaa aggccctttt 420
 ttg 423

<210> 86
 <211> 422
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(422)

<223> n = A,T,C or G
 <400> 86
 atggcgtcca tggactggcc tggcacccca cactgngcac aagtcaccca ttctatgatg 60
 tggccagaca cngnatnctg caggtggcag anggctttg gagnggccat actgtgactc 120
 antaacttca anatgaggga ttggtnccct tcngctatgg nccncaggtg gnaatggAAC 180
 ccagtggncaggcaagagg acccagtttggaaaanacgn tggtttctgc tggtgcgc 240
 anaatccctg cagacagggg anngactgt gtgttgggtt agagcacana tctntnnact 300
 aagcanaggc ctggccacag tnnctannga gagggagatg aatggatgct gnatctacaa 360
 gcagattgtt ctggnatctt aaacactatn cgggctctgg agctccgaag aggaaaaaaaa 420
 aa 422

<210> 87
 <211> 421
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

<400> 87
 tcctcttcct acgctgccga acgaagcaac aggcaagctct ccaatgnaat accctgcata 60
 ctccctcctt tagtcgctcc aactctcaag cctcagttaga cagcagcgca tccatggtag 120
 gagttccctgc gggaaattga gagtatcaaa gagagcagcg tgggggcgtc gcaggagcag 180
 ccaccactg ctgctgctgc tgctgctgaa gtcaagccag tggatgaagg agagcttga 240
 gcggagtggc tacaagatgt gggattgtca actctgatct ctggcaacga agaggaagac 300
 ggttaagcgc tcctgtctac attgactcgg acccaagctg ctgcagtgaa aaagagatac 360
 aacacatata ctcagactct gaggaaaaag aataaaacaac ccgtcaggga tgtcagagac 420
 a 421

<210> 88
 <211> 420
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

<400> 88
 accagtggtc ctgcgcctgc tgnanttagg nattctgcct ggtgggtgggg atcctgacat 60
 caaggnatgg gacaccccccgg caggaggttc ctggggcctg gcccccaaca atatgaagag 120
 ccttgctga ggccatgagg ggttaccatg gcgaccgagg cagccatccc cgcccgagccc 180
 gcttgctga ccaacagcat atggacgtgg gcccagctgc cagggccccgg tacctgctgg 240
 gctccaggga ggccttctcc accgagcccc gcttntgtgc tccgagagct ggcctgggac 300
 accttctcc agaaggaccc ctgagcctga gtgagggtcc atcatcagta ggcctgagg 360
 gaggccccagg ggggtgggg gctggggag gcagnannac cttnccccagg atgtaccccg 420

<210> 89
 <211> 414
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

<400> 89
 gtccagtgcc agctngggcg gngccgctac ccccacaagg ctgactgagt gctttcagg 60
 ccaggnatgg gaagcaaggc cacactcggn aggcacaggt ccccgagcat ncttcttta 120
 cagaatcaac tccaccaccc atccctgggc agacctgaag gagaactnt gncgnaatcc 180
 anacagcanc accacgggac cctgngcta caccanagan cctactgtgn gcanagagga 240
 atgcagtgtc nctgtctgtg ntgagctggg gccaggaagc aggtnatggc catggccana 300
 ggggnacntn agaaggctng tnantattga gtggncatca naatgctggc nnccttnan 360
 aacaanagga aggagntca aactgaaggn gcanttaggc caaggacatt tgcg 414

<210> 90
 <211> 411
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 90
 gtgcgagaag gaagccngtg gctgccctcc ctccncatgt gtccntgcca tgatcaggtg 60
 nctatcagat gacgtcanaa ccaagttgcg ttccgggtaa gccataagct ccttgggcca 120
 gtgtgttggaa gaacttaccc ttaacagtat tgatgctgaa gcaacatgtg tggccatcat 180
 agtgaatatg gaaaccttcc aagttcaagt gatagacaat ggacttggga tggcggggga 240
 cgatgttagag aaggtgggaa accgttattt tactgtaaa tgccacttag tgccggactt 300
 ggagaacccca gcattttatg gcttccgagg agaggccttgc gcaagtatag ccgacatggc 360
 tgggtgtgtg gagatttcat ccaagaaaaa cacaacactg aaaaaaaaaa a 411

<210> 91
 <211> 410
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = A,T,C or G

<400> 91
 gctctatgcc cagggtaacta tgtggctggg ctgctccagc ctggcggaca gcatgccttc 60
 gctgcgatgc ctgtataacc cagggactgg cgcaactcaca gcttccaga gngggnnnagc 120
 tgtcgatann ggnntccattn tgaagcactc cagnaggact tncangatgg actctangt 180
 cntgctggtc ttcccttagag gtgagcggagg acntgcttca tgcttcagn agangctgta 240
 gaagaagcga ntgggnctt gtagnaggan ngtgaaagag canaacttgn tgcccaaagn 300
 ttatgggatn anggtgngat gcttgagagt gtcttgcna gangtgtgt gctatctacg 360
 ntanggtatt ngaaantntg cgttttagcg ttaataacct tacatggaat 410

<210> 92
 <211> 399
 <212> DNA
 <213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 92
aggcaacatg gtaaggnanc tgcaaaccag ttgcagccac tgagtgagac tcaagtagtt 60
aactcagnag ggcggctgtg tatggcaggt caccgacatg aaccggctgc gccgcttctt 120
gtgtttggc tctgaaggtg gcacgtacta tatcaaagaa cagaagctgg gccttgagaa 180
tgctgaagcc ttaattagac tgattgaaga cggcagagga tgtgaagtga tccaggaaat 240
caagtccctt agtcaggaag gcaggactgc caaacaagag ccactgctgt ttgcactggc 300
cgtttgcgc cagtgtgcgg acataaacac aaagcaagca nccttaaag nnnaanntga 360
agngtgtggc atnncgaccc cctcttgact tttatccag 399

<210> 93
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 93
gcaacgctgt tgccgtggta cttaaaggag ntcaaagacc ctgtatgca ggagccccca 60
ggtgtgggttc aagncccttcc tgctctgnga gcttgcgttc cagctgcctt tctttcccat 120
tgcggcatat gccttcttca aaggaagctg ccgggtggatc cgaatccctg caatcatcta 180
tgcagctcac accataacga cttaattcc aatcctctac acactcctgt ttgaggattt 240
ctctaaagcc gttgcttca agggacaaag acccgagagt ttccgtgaac gactgaccct 300
cgttaggtgtc tacccccctt attaataat cccctctata ctccctgt tcatgcttcg 360
gaacccgtac tacaagtatg aggagaaaag aaagaaaa 398

<210> 94
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 94
agaaaaaagct tccgaagcaa caagtggcaa ggaccccccgc caccctgcgc cctgcgtggn 60
caccggcgac agctgcaagt ccacccgcac ccgcctgcgt cgaccggcgc gcctcctgcc 120
agtggcggtt ctccggcagc gcctgcaccc gtcnagtact caaccccaac tgctgacgca 180
gcttcctcgc tgccgcgcga gcttcggaa cgggtgattt ggcggggctt cagggtcccg 240
cgcttttagg ctgagggggcg ggtctntgtg ggtggggctt gtgggtggc gtggtcagtg 300
gttgtgactt gtgggcgcctt taaaaaaacc gttttcttagt gaaacctagt ggaagctaaa 360
atcagaatac aataatattt ttaggctgcc 390

<210> 95
<211> 379
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 95
tgagatggaa tccgtgaaaa gggtgtggac cgaggctggg ggaggggcag gagaagctgc 60
accagatgtg gctcagctgg aaccagaaga ccccacagga tgctgaaaag gacccagcta 120
agccagagca ggtggaggcc cgggcactca gcatgttcag ggacatcacc cagcagctgc 180
agagcatgtg tggccctg gggccagca tccaggcctt gcccagccac gtcagggagc 240
aggcacagca gcccccgca gcaagtgaaac gacctttagg gccaccttt tccggcattt 300
caactctttt ccagggacct tntnagccg ggnngttttt gccccaaac ttcgggaaag 360
ccgcattaa acccagaaa 379

<210> 96
<211> 378
<212> DNA
<213> Mus musculus

<400> 96
ataagctggg ggaagaaggc tgctacacc tcccaggatg ttgattcaga ctgcgcacca 60
ggaaaggggg aaacgtccctc acccccggagg cacttgaccc gcacccctcag gcggcgctca 120
ctgcccggtaa agtccaagta tcactctatg gaaatccctg ggatttgaac aagatctgt 180
acaatcagg ggtccccctt attggaaatg ggtatgtcga gcggatgatt gagaagctgt 240
ttccctctgt tcccctccct acctccttacc atataaattt tttatatgaa gatgtttatt 300
tttgatata gatgctatca ctgctcaaag ttcttattttt aaagagtgaa atatattcta 360
tacaaactca aaaaaaaaaa 378

<210> 97
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 97
agtaacagtg ctcacaccaa ccactgcattt gncaangatg ctgcacccggc tggcccatgg 60
cctggggatg gaagccctgc tnttccagct gaccctgttc tgcctttca atacggctgn 120
ttatgtaccc agctgntgca gntacaaag agntagcgc tttngccaaa nacatcntg 180
gcaagntctt tgctttggct gcctntgaac cagcacngcg tantngggag ctgctattct 240
ggaagaacac cgcagtggtt cggggaaatga cccagggata tggntccctg gacagtgggt 300
cttncagcca cagagntnct atgtngagcc ctgagggaaaa ggccttacatt taggaactat 360
acctggccca caaggatg 378

<210> 98
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

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<400> 98
 acctgagggt aggtacannc gacgatggag acactgctgt ncgtcattgt ggagaaggta 60
 tcattacatg gaacggttc ttccatcagg tagaggagat tcnaagcgc actagccagg 120
 attgcatcaa natntanctc aggnngangan naacacactc nttcatnnnt gnntncncca 180
 cactcнатнн gaagcctgna annccagcaa ggatcacaca ttcaaggnc gcgtgggcta 240
 cagagaанат tcacgggnca gcctgagcaa ctgatgagac cctgtctaаг aactgaaaac 300
 татагагага gctggggta cagctcагtг gtgaагtгnt caccсагtгt gantaaggc 360
 cagcactagg gga 373

<210> 99
 <211> 371
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(371)
 <223> n = A,T,C or G

<400> 99
 tgaggactgc cccgttttc ttgnaaaагc cgcgccctgnc тgggtctgtg nggactncaa 60
 тaccccanca ngcattgcag acagacacnn ggaggaacta cggatgccga ggaggcgctg 120
 ctgggcctt cggagtagcc ggtaccggc acttcaggca gatccgggac atcatgcagg 180
 cgttgcttgt cagggcccttgg gggaggagc atacggtnntt tttggttgct gcgggttatg 240
 cагtgtctgt cgcgcatтga anaaggagaa aatтtagact gttccttga тatggngct 300
 gagctcacac ctttggaaatc agctatcaat gtgctggaga tgattaaaac agagttcaca 360
 ctgacaaaaa a 371

<210> 100
 <211> 358
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 100
 gtcttggaa acagattctg gagtctattg aaагcataca ttctgtggaa nnccttcaca 60
 gagacatcaa accgtcaaac ttccatgg gacgttccc cагtacgtgt aggaaatgtt 120
 tcatgcttga ttttggctt gctcgacaat ttactaattc ctgtggtgac gtcagaccac 180
 ctcgtgctgt gncaggctt cgaggacag ttctgtatgc atcaatcaat gctcatcgga 240
 ncagggnatg ggtнnganct nggacntt gnaactgcgtg ctcntgactn gcntnагагc 300
 natatcttca tantncaggg anaggataa tggngcgnntt aggagctgag ggaccctt 358

<210> 101
 <211> 348
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(348)
 <223> n = A,T,C or G

<400> 101
 gcggcagcaa attcgtnccgg gnaccgcccgc cgccgtncgg gttcctccgg gaagtgagggc 60
 ggcggccggg gcagctgcgc cggcttctca gcatccggca accggcacccg ggcggccgttca 120
 gaccgaggcc atgaagcaga ttctcggcgt aatcgacaag aaacttcgga acctggnaga 180
 agaaaaagng tnnaatagng gnnntntnan taaaacttnc nanantttat ttganantgt 240
 gaanatacat gaacaagata tnaaacttta nctatttga taagaaaattt taatgttatta 300
 aattattaaa tagngaaaag agggaaatattt aaaaatagtga aagcactg 348

<210> 102
 <211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(347)
 <223> n = A,T,C or G

<400> 102
 acctgagttt tggtaaaaca gtcacctata ctgnganaan nggaggctga gccncntcac 60
 aanagacaca tttcnaggat gctgacagaa agaggaggga gagagtancg taggtggctt 120
 cccaaaggag gcgtcctgna gcattggttc nggaanagct gaagagccta ncacatggca 180
 gacgacacac cgaggcaacg agagtccatt tccctcacac ctgtggccca tggcctgnag 240
 aacatggggg ccganttcctt ggaaataatg nanganggcc agctcccaca cagggactca 300
 agcctgccc angggtggagg cngnaggagc aaagcagtgt ggaaacc 347

<210> 103
 <211> 342
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(342)
 <223> n = A,T,C or G

<400> 103
 ctgtcatcag ctcgcagcac tggagccgcc tcacgtangt agagtgcacag gaagctgttg 60
 taagcgtcgc agcactgnag ccgcctcctc aggtatcctg gctctggnaa cttgctatgg 120
 gagattggat gactgtgaca gatccagttc tgtgtacaga aaacaaaaat ctctctcaat 180
 atacccatcaga aacaaagatg tctccgtcca gtttgcactc ccagcaagtt ctgtgctctt 240
 cagtacctt atccaaaaac gtgcattgtt tttcgggtgt cttctgcaca ggagagaaca 300
 ttgaacaaag tatttcctat cttgatcagg agctggccac ct 342

<210> 104
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 104
 acctgaggct cgcgacanggg tgtctaaagga cctgggtggct ttgaagatgg tgaagatgg 60

gcctgatgat gacgnccca cccttcagaa ggagattctc atgctgaaaa cttgnccgca 120
 cgccaaacatc gtggcttacc atggcagnta cctctggctg canaagctgt ggatctgcat 180
 ggaattctgt ggagctggtt ctctccagga catctaccan gtgantggct nctctgtcca 240
 cagctccaca tcanctatna tgtgccggga agtgcttcag ggactggcct acctgnntc 300
 ngagaagaag atacctcgag acatcatagg gagccaac 338

<210> 105
 <211> 334
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(334)
 <223> n = A,T,C or G

<400> 105
 catgaatatt gcattaaccc ataaggacta nggatataa tcncacngca caggaggggg 60
 tgcacngaan antcnganng cagnaacnna cncaatnttggnganttn cngtggtaat 120
 ntaccccaa ncgactacnt gtctctaaat nttnccctng cgnttccgag accctgac 180
 ccggagnatg tttgggcagt ttggcaaaat cctagatgng gaaataatct ttaatgagcg 240
 cggctccaag gggnttgggg gttcgtaac tttnnagaat agtgcgtatg canacagggc 300
 cagggagaaa ttgcccgggc accgtggtag aggg 334

<210> 106
 <211> 332
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

<400> 106
 ctattatatg gtgcttgcac cacatctcct ggctattcga nggaagcanc atntggnnag 60
 acacttaact caagacaggt cccgcngtc tncctncanc tccggaggac ccggcgaccg 120
 aaagaagagg acacnatgtg caggnctgg agacccac 180
 ggncatttgtt gttgaaggag gtttgac 240
 tttctaaat tagtacacat ggtccagct gt 332

<210> 107
 <211> 324
 <212> DNA
 <213> *Mus musculus*

<220>
 <221> misc_feature
 <222> (1)...(324)
 <223> n = A,T,C or G

<400> 107
 ataccgttcccaaaagccca gnancttac ctgtanctac cgctggnaga agnaggcggt 60
 gcttacagnc ggggagcatg aaggtcgact acgnatacc 120
 cacggtnat cacggtccan aagccatgna ncgnatacc 180

aacaccgtga cagtatacn tatcggtgtg aagagcggag cccangnnnt ggagaggact 240
gctatgggtc ttnacgttnt cgacatcgga aacgggcacn gagagagggc gccttaccgn 300
acccgcaagc atgcccacca ctgt 324

<210> 108
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 108
tttctgagat tgacgcgtt ttngaaaagn ctgtcccggt gtcggnaagg nacctggtn 60
ccgtgacctt cccagctta cagggcagna gccttcanta cctgaggaca ggaggtctct 120
ggagaangag aacacacccct catgaaccaa gcctncagta tgagaaagag ctaaagctgc 180
ttncacatga gaaccgaaa aacaccctcc ttttgggggg gcatttttt ttntnttcg 240
ccctgntttt tggcttactg gactttggga naaaaccccc tttccanccn cttaaaanna 300
nggggaaagg gctttcttt tg 322

<210> 109
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

<400> 109
ttaccttag ggatttgaat ggggaaggnc ttgaaaganc nacatgagca agaaagcgtg 60
tganagggag atgcagcgaa tcaccttgcc cctgtctgcc ttcacaaacc ccacctgtga 120
gaccgtggat gaaaacacca tcatttgca cagcaaccag actcctgtgc acgtgcagga 180
ggccagcacc ctccctcacgg gccaggctgg caccctggg gcctgagccc cttcagtggg 240
caggtgccc taaaacact ggtacaggac aggccaccct cctgcagttg ggaggagcta 300
cattttgtgt tgggttaaa a 321

<210> 110
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 110
ctgaggactt acctcttcna attcctgggt attggcagtg ctggaactgg caaattatgt 60
cttcctccca gtttattgag aataagttca aacaggactc caaccacact atcggcgtgg 120
agtttggatc cagggtggc aacgttgggg ggaagactgt gaaactacag atttggnaca 180
ctgctggcca ggagcggtt cngtcggnga cgcggantaa ttaccgaggg gcanntggag 240
ccctgctggt gtatgacatc accagccggg aaganataca accttacttc gctgnttggg 300

ctaacttgat tg 312

<210> 111
<211> 295
<212> DNA
<213> Mus musculus

<400> 111
acacccctcc tccgctcggt ccccccggcg cccgcgagtg gaacctgccc cccaaatgcgc 60
ccgcgtatgcgtt ggaacgtcaa ttggaggctg cacgggtaccg gtctgtatggt tcccttctgc 120
tcgggggtctc cagcctgagt ggtcgctgct gggtaggttc tctgtgtttt ttcaaggatc 180
ctagtgcggc ccccaacgaa ggtttctgct ctgctggcgt ccagaccgag gctggagtag 240
ctgacacctcac ttgggtgggg gacaaaggta tcctagtgcc ttctgattca ggtga 295

<210> 112
<211> 287
<212> DNA
<213> Mus musculus

<400> 112
cggttccact tggcagtcag tcgaatccat tcaaggtcgc ttagtccaaac ttaatgaagc 60
ctgtgtcctt cgtgtactgc cggaagcact ggccgcacac gttcagccgg tatttgcgga 120
tcaaaccgtg acgttggag cagacacggc aagagcggga accctggccg aacttccgtg 180
ggtactcca gtagagctgc tggtcaccca tcttccttc agacacccaa cgaggagaaa 240
ggtctaatta atttttaat aaataccatt ttatatgaaa aaaaaaaa 287

<210> 113
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 113
gctggctacc atgaaacaac natcccgntt gtgccgaagg ctcctgttagt tcanatccca 60
gcancacat ggtgactnnnc aacgtaccccg naatgagatg ggacgccttc ttctggngtg 120
tctggagcga gcangnactg agtgancaca gtngaccggaa ataantnnag gtcctaaaat 180
tcaattccca acaaccacat gaaggctcac aaccatctgt acagctacag ngtactcaca 240
tacaataaaaat aaataaaatct taaaaaaaaaa aa 272

<210> 114
<211> 268
<212> DNA
<213> Mus musculus

<400> 114
ccctgcgcgg gggaccagga ccgctgacac cacacccctg caatgagttt ggggcctctg 60
catcgcccaag aacgcctggg cctgcccggc gggtagcgg caggcgcacag ccaagacctg 120
actcccttat ctttaccgc caggcgcggg ctgtggaaac gggtaaagtg gccacgtggc 180
ctctcttagat tctaaatgtg agcagcgtat gacttgggtt gagagatgaa cgaactactg 240
aataaaagctt aatgttatt taattaaa 268

<210> 115

<211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 115
 aggaccttgcggcacctgg nggctcttc agcctgaacc taccaccgnc tcaagtatct 60
 tctactagta cagcgaaagn agtaggcaca atccccagtc nccccttcag gaatccagcg 120
 ccacccgtaa gcgtggtgaa aagaagtgtg ctgtacccca ctccagcccc aatctagcgg 180
 aggttaaagaa gaaaggcaaa atgaagaagc tgagccaacc agctgaagag gacctagttg 240
 tggggcttga aaaaaaaaaaa 260

<210> 116
 <211> 252
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n = A,T,C or G

<400> 116
 tctcaccttc acggagctac agtggccctt acgatgccac gccttcctgc gcaggaacag 60
 cggctgctga cccaaagctgt gtgcttgcc atggcgaggg tgggagcagc agctcggggc 120
 ctccggtcca cttcccattgt cacagcctcc tctgcctcca gcccattccaa ctagagctgg 180
 nttagcatgaa gggagacagc ggttcccaac tggagttacag aggttaaggc caataaagag 240
 gacaggaggg ggg 252

<210> 117
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(250)
 <223> n = A,T,C or G

<400> 117
 agcatcaatg gttcaaggcca ggaagtagca tctgagaaag acttgggtcc tcccctcctt 60
 caaaggctta tgggtgaacg gacataagac tgctgcattcg ggactcacca aaaagttaggc 120
 nnccacntac ctctgaaact gtgcgtatc ctggctaatg tcattccagct cttaacacc 180
 agtgaactct cctgtatgcca gagtacttga actgtccttag aattaaaact tgaaatgtca 240
 aaaaaaaaaaa 250

<210> 118
 <211> 234
 <212> DNA
 <213> Mus musculus

<220>

<221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 118
 agaggaccga cagcctaattt ttagtgctgg cagtggggct caggagggtga nccctcntcc 60
 tgctggaaac agaagcnag aggtgcncgt taaagantaa nccnngntt gaactttctg 120
 gggcacttct tgaggacacc antaccttcc ggggtgngt tattaaatac agngagcccc 180
 cagaagccna ggatccccan taaancngng gcgcctntac ccctttaaaa atga 234

<210> 119
 <211> 225
 <212> DNA
 <213> Mus musculus

<400> 119
 acctgagggtt ttaaaatgga acatttcgtt ggcgttaactc agtaccttattt atgtgtgtgt 60
 cttctcccta ggtacccgtc tgcaggtgtc tttacatatac tcaatacataa aattataaca 120
 tttgatagtg tgctgtcaaa gtgtgcttag ctcatctgga tataccacacatgtttaataa 180
 atgtctaaac attaatcattt aaaaaccttt tgattaaaaa aaaaa 225

<210> 120
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 120
 tgaggctgtg aactcctggc cttgataagt ccctgacgcc gatnccctgg tcctggctga 60
 ggacgggacc atagtggatg acgtgacta cttcctctgc cttccttcca atacaaagtt 120
 tgtggcggttgc cctgcaatg agaagtggac ttataatgtatccgtatggan gnacngctt 180
 ggtttcccaa gagncctnn aggcagatga gccagacagcc 222

<210> 121
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 121
 acctggaggg atggagttt cttggAACgt tcgtaaaagg aaaaggttctt aggaggatgg 60
 cagcaagtat gcttcggcga aggccaaagnta gtctgaagtt ttttatgagc ttgctcatca 120
 gttgccactt cccccacaatn cacagcaaac tgaagatcaa caacttgaag atgttccattt 180
 atataatgtat gtaatgnnttc cctcttctaa tgaaaaattnaa aa 222

<210> 122
 <211> 212
 <212> DNA

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<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 122
aacaggcgta acatcattga taacagggtt cattgttgc tctacttcat ttcaccc 60
ggacatggac tgaagccctt agatgttgc tttatgaaag cgatacaca taaggtgaat 120
attgtgcctg tcattgcgaa agctgacact ctcactctga aggagcgtga gcgnc 180
aaaaggattt tggatgaaat tgaagagcat ag 212

<210> 123
<211> 210
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 123
aaaatccgga gtcttcaatg tatcanagct tgtgagagta tccatgaaca cccataaccc 60
agggttaactg gagtcaactt cccaaancgga agaaattccc agccaaaccnt actatgatga 120
catgaactnt ggtgtgaacc tgcagaggc tttgtcttcc acccgtgca gcaaaagacc 180
caaancattn tctatggatg aaaatgggg 210

<210> 124
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 124
acttctccag cctcctggag ctcacactgc tggtcggaaa ctatatgaat gcgggctcca 60
ggaatgctgg tgcttcggc ttcaatatca gtttccttg tangttcga gacaccaagt 120
ctgcagatca gaagangact ctgttgcatt tcttggctga gttatgtgag aatgaccacc 180
ccgaagnnct caggttccct gatgagct 208

<210> 125
<211> 208
<212> DNA
<213> Mus musculus

<400> 125
taaatttaaa aatggcctcc ataaaaactac attgcaaaaa atgggaaaga aacaaaaatgg 60
aaagagtaaa aaagttgaag aggcagagcc tgaagaattt gtggtagaaa aagtactgg 120
ccgtcgtgta gtgaatggaa aggtggagta tttcctgaag tggaagggggt tcacagagta 180
agaaacctca gtgcttcaaa aaaaaaaaaa 208

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<210> 126
<211> 204
<212> DNA
<213> Mus musculus

<400> 126
tgaggatgca tttctgagcc ccgggttgtgg ttcccgtatgg ccctcgcagc agcgagtccg 60
tggaaaggaag ccctttccgt ccttcccact ctcctcgcc ggtgttcgat gaagacaagc 120
cgatagccag cagcgggact tacaacttag acttcgacag catcgagctg gtggataact 180
tccagagctt ggagaaaaaaa aaaa 204

<210> 127
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 127
aagtatgttg tccgtaaaan gagcaangca gcagtannaa ancatgcaaa aatgnaaggc 60
tgaagatgga gagaactacg ccattaagaa gcaggcagca gatccctgca ngtagtcccg 120
gatgatgatc ccagattgcc agcggtcggc ntagcaggct gncatatact gatcttcagc 180
agatattag 189

<210> 128
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 128
actgcctgca ctgcagtgtc cccagangna cacatggtaa cagtgtatgcc gctggcagta 60
tggagtaagt accatcagca agctcatgtt tgacttccag agggagttca acctcagatg 120
acgactctgg ctgtgctttg gaagagtacg cctgggtccc cccagggctg aagcctgagc 180
aga 183

<210> 129
<211> 180
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 129
gtgcacattg taatactggg cagtaatttt gaaaggattt cagttatcatc ccaggcgcta 60
agcatggtaa atattcaagt gggatgtgtaa gactgttcaa tgcaacaagg caagnattgc 120

agcatcctat gggAACgtta tctctgttt tgaaccagtc agtttgcga aaaaaaaaaa 180

<210> 130
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 130
actgaggaga agcggtngc agtggtnag atcctcttg ccctcatgan catccctnat 60
ccttacagc tccaacagtg ncaacgaggt cttccactac ggctccctgc gggccgnac 120
gcgtcggcca gtcaactctn angaagngga gtttctccag cgcctacttc cctatcct 178

<210> 131
<211> 170
<212> DNA
<213> Mus musculus

<400> 131
aaagaagcag caacagtgga agagctgaac cccaaaggca tccctgagtt ctggttcacc 60
atcttcagaa atgtggacat gcttagtgag ctgggtgcagg aatatgtga accgatctt 120
aaacatctgc aggatattaa agtgaagttt tcagacccta aaaaaaaaaa 170

<210> 132
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

<400> 132
tgtgtcttac tccctncata cctactggac gctgctgtgg tgtacagagg ccctgccctt 60
ggctgncacc gccctttcc ccatcatcct cttcccttg atgggtatca tggaagcctc 120
caaggncnctgn taaaaggact acaaggacac caacatatgg t 161

<210> 133
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 133
tgagggttgca aggtgagaag anntcgcccc agnggcgaac agtggagggt gcnttgaagg 60
agcgacagaa aggcaattga tgangctgcc gatgccctgc tcaaagcaaa agaagagttt 120

gagaagatga aaactataat tgaagatgca aaaaaaaaaaa 160

<210> 134
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 134
catagcccat gtgctgaatc aaatagaacc ctccctgggtt caacgacgaa tggctccagg 60
gcacatccataa ggactcaagc cccagctgga ggttgaaggt naggaaactg gagaagatct 120
tacaggagct tggtggataa ctcgaagaat gtt 153

<210> 135
<211> 146
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 135
caagcctgca ctggAACgt tagcangcac cngttggccc anatcccaga agaanagacg 60
aggaaagang agggaaaggaa aaaataggan nctgatcana agaaggaagc tgctgttct 120
gtacaagang agtctgatct tgaaaaa 146

<210> 136
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G

<400> 136
acgcatgaag tcagtaccac ccgtcnnac caactccaga atggacttgc cattttnctt 60
acaaagnatg tacgtcaact gctgaaaaat ggagacgccc tacctggaaa acaaaacgaa 120
gaaaaancct acataaatag gac 143

<210> 137
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

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<400> 137
ggcctgtgca gtgacatgtt ggacttctct agctgcctac atntgaagcg aactgttctg 60
ccntgttagg gaaaactgatg accttagcaa agaatttgcg cgaccctgga aaagcacaag 120
attttgtaaa aaaaaaaaaa 138

<210> 138
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 138
tgaggtagaa aatgtttacc ctcnacctgg ctgggttgaa atcgatcctg attctctctg 60
ggctcagttt gttgccgtaa taaaagatgc tgtcaaagct gcaggggtgc agatgaatca 120
aatttgtcga aaaaaa 135

<210> 139
<211> 135
<212> DNA
<213> Mus musculus

<400> 139
aataaactata ccgctcttca tctattaatt acagccagga atctggagca gcagctgatg 60
atataaaagcc atgtccacga tgtgtcgctt atataataaa gatgaatgtat gggagttgca 120
atcataaaaa aaaaaa 135

<210> 140
<211> 132
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 140
aagcgattgc cagctggaat ggnaggtatt acttcagct ccctgacgac tacgagnact 60
cgcgcttctg agcctggaa gaagagggtg agatgggcag acctagaaga aaagaaggat 120
gcagatagga aa 132

<210> 141
<211> 126
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 141

gacttggca ccacctactc gtgcgtgact cgtgttcnag cacggnaagg tggagatcat 60
cgccaaacgac cngggcaanc gcacgacccc tagctacgtg gncttnaccg acaccgagcg 120
cctcat 126

<210> 142
<211> 110
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(110)
<223> n = A,T,C or G

<400> 142
cagctgcagc caccggcgcg cagtnccacg ctggctccgc ggcgcattgtt caccacagc 60
aagnntcccg ccgcgggat gagccgcccc ctggacacca gcctgcgcct 110

<210> 143
<211> 107
<212> DNA
<213> Mus musculus

<400> 143
tctcccttgg ggacaccatc ggttaggca ccccaggact catgaaagac atgctgactg 60
ctgtcatgca tgaagtgcct gtgacagcat tggctgtcca ctgccc 107

<210> 144
<211> 636
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 144
gctgtgcgca cgctcaaacc ctgcaaacca atgnccagct acctggaca ggtaaagcgc 60
caacggnagt gaccccccagg cgcaagctggm aggctatggg gatgtacctg gcacggagtg 120
gactgcaggt ggaggacttg aaccggctaa acattattca tgtcaactggg accaaaggaa 180
agggtccac ctgtgccttc accgaacggg tcctgcggaa ttacggcctg aagaccggct 240
tcttagctc tcctcacatg gtgcaggtgc gggagcggat tcgaatcaac gggaaaccaa 300
tcagccccga gctttcacc aagcacttct ggtgcctcta taaccagctg gaggagttca 360
aggacgacag ccatgtctcc atgcctctt acttccgctt cctcacactc atggccttcc 420
atgtcttcct ccaagagaag gtggacctgg cagtgggtgg ggtgggcatt ggcggggctt 480
ttgactgcac caacatcatc agaaaagccag tggtgngtgg agnctcctct cttggcattt 540
accacaccag tctacttagga gatacagtgg agaaaatagc atggcagana gggggcatct 600
ttaagcctgg tgtccctgcc ttcactgggg tgcagc 636

<210> 145
<211> 615
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 145

gcgtctgcgg ccccgaangg caggcactgc caccggcga atcgnggcag ccatcgccgc 60
tgnngtgac gtccagttcg atgcagggat taccacccat cctaaatgcc ctggaaagtgc 120
aaggcagggt acagcagact ggtttggag gtggcccagc atttggggga gagcacggc 180
agaactattg ctatggatgg cactgaaggc ttggtagag gccanaaagt actggattca 240
ggggcaccaa tcaaattcc tgggtcct gagaccttgg gcagaatcat gaatgtcatt 300
ggagaaccta ttgatgagag aggtcctatc aaaaccaaac aatttgcctc tattcatgct 360
gaggctcctg agttcataga gatgagtgtt gagcaggaga ttctggtgac tggataaaag 420
gttggatc tgctggcccc atacgccaag ggtggaaaa tcggactctt tggaggtgct 480
ggcgttgaa agacagtact gatcatggag ctaatcaaca ntgtcgccaa agccatgg 540
ggttactctg tatttgcctt tggtggag aggaccgtg aggncaatga tttntaccat 600
gaaatgattt atcaa 615

<210> 146
<211> 606
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 146

gactgagact ggagatttga tgcacacct tgggtgggt ggagaggacc acagtgacca 60
tgatgaccac ggtgatcatg ctgaccacag tcatccggac agggaaagcca gccaccaaga 120
ctctgagctc catactcccc acaacagcan catctgtt atgggacacg ctgtgcctga 180
gtgccaaaga tataatggct gtgtatggc tatctgaaga ggctgggtg agccctcagg 240
cctgggcccc actgaccctt gccttggcc agcaacagct aagtggagcc tgcagcccc 300
accccaactat ncgtatttcg gaccagctca gnnaaacaga gaggtatctc tatggctcgc 360
tggccacccct gtcatctgc ctctgtgtc tggtgggtct tctgctgtc acctgtgcca 420
aatgcancac anccacccac tacatcatgc agaccttcct aagcttgct gtggcgcac 480
ttaccggcga tgctttctg cacctgatac ccaaggngct gggactgcac acacatggng 540
gagagggtca caccatgaa gaggatgtgg nccgtgggtg ggcangccac cctggcgcct 600
gctgtt 606

<210> 147
<211> 597
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 147

tgtcataaaa actttaagga gaagagaaac ccacgcaagg tcaggtggac taaagccttc 60
cgggaaagca gctggcaagg gagctcacgg tggacaactc atttgaattt gaaaaacgtt 120
gaaatgaacc tggaaataac cagcgtgagc tgnngaaataa aactattgtt gccatgaaga 180
gagttgaaga gatcaaacag aagcgcncgg ccaaatttat aatgaacagg ttgaagaana 240
acaaagagct ccagaaggng caggacatca aggaggtcaa gcagaacatc catctcatcc 300

gggctcctct cgctggcaaa ggaaagcagc tggagggaaa aatggtccac cagttacagg 360
aggatgtgga catggaggaa gcttcctaac gngctgcc ccaaccagcc ctgagcacgc 420
tggagtgag tggagacttt cngccctaa gttattcatt gttccataa gnccttcag 480
acaangggga ttcaatgtgc tttcccttc aacgttgag cctgtaaaag catnccttg 540
tggggngttg ggtctnagct cancactctg cttcctgntg ttatgcgcac ccacaca 597

<210> 148
<211> 588
<212> DNA
<213> *Mus musculus*

<400> 148
actgagggtt acaagagttc cccgagatag aagccctgaa ggagcggca tcctccagc 60
tacccagga atgtggcgt gaggcagagc ccgcagctt cagaagaaga gtagtcttg 120
gccatggccc aggtcagcat caacagtgc tacagcgagt gggctccag cactgatgct 180
ggggagcggg gcccgttgc tccaaagtcc ctgtgtggat gtggtaaccta agagtgggg 240
ggaggcgtct cctggagatc cagacagcgg caccactcg acgcttggag ccgtcttcat 300
cgtcgtcaat gcctgcctcg gtgcgggtct gctcaacttc ccagcagcct tcagcaccgc 360
tggggcgtg gcagctggca tcgcctgca gatggtgagt gagtgcgcg gtgcgtggc 420
atcgaggta ggcaggcaac tccgggcctc tgatttgag gggaggctt gaatcagaga 480
tgagccataa gggacatatg tgcgtatcct tccctccct ataaatgact ttatcagtc 540
atcccagaac ttctgtgta gccatggatg acttttaacg ttagatct 588

<210> 149
<211> 584
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

<400> 149
actgagattt ggactgagca acaaatttga atcagaattc ctttccat taactggaaa 60
atgtgcctt gaagaattt aagccagcat caacagagtt aacagctgtc tcaggaagaa 120
tcttcctgtt aatgtgcggg tgggtgcgtt tggctgtcc tgcgtgcacg 180
ttagggtgca gatgtggcc agttatttgc ctcagtaaaa gaacacgaag atcgattgag 240
aagtatttag aatggggaaa caataggtt taccacaagc tgcgttgca ctggagactg 300
agcaaaagga aatgtgaaac gaacaacatg atgaaatatg tcatttcattt agaattttt 360
ccaaagacac cgattttcg accagattag catttgctt atttatagag actttccaag 420
ngngntgtct ttccaatggt gccttgctt gtgccttcct gctgtgaca tgcgtgtt 480
tctacagaat tgggggnngn tcttgggnm tttgtttt aaataaccgg atgttctatg 540
tgtgcattt tgtcaaactt tgcaaggat ttcatcaga tgtt 584

<210> 150
<211> 579
<212> DNA
<213> *Mus musculus*

<400> 150
actgaggatg gctgttcttc tgcgtgggtt gatgtacaa actacaaaggc ttgaccataa 60
cttaatttggaa agatgtttgc aaagacacgc tgcgtgggtt gatccagcac agctgtccct 120
gtctgcgtcc accccaaaggc tgggttgcac gacttctgca aaagggtttt gatgtgtgg 180
agacccacag ggtgagagga aacagaaaag aagggtatgt ttctctaaaca ccggccggaa 240
gatttagtgag cggattatcc gcgtccttgc tgagaaggc atggacctgg gatgtatgca 300

tcgagcagat gtgatcagac tcatgaacaa gcaggacctg aggctggc agaggaacac 360
cagctcagag ccaccggagt accagctt gaccggagag cagatccacc aggagcggct 420
aaagctccgg gaacaggaaa aggccaaacc caaaaactgga ccaactatga cgaaagagct 480
cgtttctct tcaaataattg gacagcacga ttttagacacc aagagtaaac agatccagca 540
gtggatagag aagaaataacc acgttcaagt cacgataaa 579

<210> 151
<211> 578
<212> DNA
<213> *Mus musculus*

<400> 151
tgaggcgctg gagatctggt aaaagtacca tcgtgaaaca gatgaaaatc attcatgagg 60
acggctattc agaggacgaa tgtaaacagt ataaaagtatgttgtctacagc aatactattc 120
agtccatcat tgcaatcata cgagccatgg gacggttgaa gattgatttt gggaatctg 180
ccagagcaga ttagtgcggc cagttatgg ttttagctgg gagtgtgaa gaaggagtc 240
tgacttcaga actagcagggc gtgattaaac gtttatggcg agatggcggttacaggcat 300
gcttttagcag gtccaggaa tatcagctca atgattctgc ttctactac ctaaatgatt 360
tggatagaat atcccagacc aactacattc caactcagca agatgttctt cggacaagag 420
tgaagactac aggcattgtg gagacccact tcaccttcaa ggaactctac ttcaaaaatgt 480
ttgatgttagg tggccaaaga tccgaacgaa aaaagtggat tcactgtttt gagggagtg 540
cagcaattat cttttgtgtg gctctcagtg attacgag 578

<210> 152
<211> 576
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 152
actgaggtaa ccaggtctct ctgcagccat gtcagccaag gcaatttcag agcagaccgg 60
caaagaactc ctgtacaagt acatctgcac cacctcgccc atccagaacc ggttcaagta 120
cgcccggtg actcccgaca cagactgggc ccatctgtc caggaccacc cgtggctgt 180
cagccagagc ttgggtgtca agccagacca gttaatcaaa cgtcgaggaa agcttggcct 240
ngtccccgtc aatctctctc tggatggagt caaatcctgg ctaaaacctc gcctgggaca 300
tgaagccact gtcggcaagg ccaaaggctt cctcaagaac tttctcattt aacccttcgt 360
ccccccacagt caggcggagg agttctacgt gtgcatttat gctacccggg aaggagacta 420
cgtccctgttc caccatgaag ggggtgtgaa tggatgtccaa aagcccagaa 480
gctgcttggat ggtgtggacg aaaagctgaa taccgaggac attaagagac acctgttgg 540
ccatgcacctt gaggacaaga aagaagtccct ggccag 576

<210> 153
<211> 575
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 153

aacgggcagg cgccacgnnc ccagggcga aacnccgnaa ccgcggc aantaaggaa 60
cggccagtga aacgtactac ttcccaacc tgagcaacaa ntccancgc tacatggna 120
tacatcttca ccacctcggt ggacacgcgc tggcgctata tgctcatgat cttctccgc 180
gccttcctcg tttcctggct ctnttnggc ctctcttct ggtgcattgc cttcttccat 240
ggtgacctgg aggccagtc ctctgtgccc gcggcaggag gccccggggg caatggcggg 300
gcaagcccga atgcccccaa accctgtata atgcacgtaa acggctttt gggggcctc 360
ctcttcctcag tggagaccga gacgaccatt ggctacgggt tccgtgtgt gacagaggag 420
tgcccggtgg cggncattgc ggnggggtgt ccagtccatt gtggctgng tcattgactc 480
cttcatgatt ggcacgatna tggccaagat ggnacggccc aaggaagcgg gcacagaccc 540
tngntgttan ancaccatgc tgtcaatctc cgttc 575

<210> 154
<211> 571
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 154
ctgaggtatc actcaaccaa tctaaagcaa aagcacagca gggcaggcct tcctgtgtgt 60
taacacagga aggctggcac cctgtcatt ctggagaccc cagcaactgac cggcttcgg 120
aagggcagca agatctgtcg tcgcagcaca tggagaagt tgccagggtt ggaacagttg 180
acaacaatcc agttcagtc atagagctga ttgatgtcaa agtttcttc ctgcagggtcc 240
tatngcatgg gaggaaatgg gcagaggcca atggcacctt gtgagcattt tgcctggac 300
aggaggcaac acgaggcaga gaggtcttag gatgtcttc aggacactca aggactcact 360
gaggacagng agaacaggat ccacagcttc cctgagtctg agcccccattt aatccgnngt 420
ggctcctgag ggctaccgtt tagcagngga tacatggat cttaggagacg tacagtcaag 480
tctacatttc ctttagaaact gactcctggg ttctttaaa gctgccttaa cgccgctggg 540
aaagatggna ctgactgttc ttccaaaggt c 571

<210> 155
<211> 570
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 155
gactgagctt ggcaattatt tatggcgtgt tctctgcttc aaatttgcactccgtccg 60
tggtcgcatt ttttggaccc cagatctcta tttttgtca tggtttgttt tacagcatgt 120
acattgcgtt ttttatccag ctttcccat ggtccttata cacagcatct gtcttcatcg 180
gaattgccgc tgctgtcctt tggacagcac aaggaaattt cctgacgata aattctgatg 240
agcacacaat cgggagaaac agcgaattt tctgggcact cttacagtct agttgttct 300
tttggaaatct ctacatataat tttgcattgn aagggaaagac ccagatctca ngntggncn 360
gttcncgttg ttttattaaat atggctatga aagtggacg caggactaca gaatggcccg 420
tctgctctaa ncancactca ctcccaggaa ctttggcacc ctgatgttgc ttctgangcc 480
tgccctttcc caagtggctg ggcttgctt gcccaggctcc caagggtctg tgcgcgtcc 540
cttggat ccngccctc cccaggttaa 570

<210> 156

<211> 569
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 156
 gaagctgcaa ggtcacncat ttctgaatca tnggagcagg aacantaaac nagagaaaat 60
 ggtgttacag atgacctggg atgctccaa gccaaaaaa gctaaaatga gagaaaagct 120
 aaatggagac accaangaag gacttagatt ttcatatgaa ttctcccat ctcataagt 180
 aagaanaaaa gacctgcna atggagatgt ggatgagtat gagaaaaggt caaagcgagt 240
 gtcatcctca gaaaactctc acaagtcang cgatnaagca gaggagactc taacacgtga 300
 acaaaaaggaa ggagccttct ctaatttctc catttcttag gagaccataa agcttctgaa 360
 aggtcgaggg gtaacatatac tcttcctat tcaagttaaa accttggc 370
 aggtttttttt ttaatttgctc aancggac aggaacagga aagacnttct ctttgcat 420
 acccttgatt gaaaggctcc aaagaaaaaca agaaacantt ctgtttggc tcncctnng 480
 gtacttcggt ttggctccaa caagggaaac 540
 569

<210> 157
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 157
 caagatgctc aactacanca ctcccagcgc tgggggctgc ctgctggaca ggaaggcagn 60
 gggcaccctt gctggcgaaa gcttccctcg cagggactcg gncactctgc ccagctccaa 120
 gttccatcag aaccagcttc tcagcagcct taagggttag ccggcccccag tccctgagct 180
 cacgngaca gccgctttcg agaccgctct ttctccgaag gggggcgagcg gctgctgccc 240
 acccagaagc agcctggag cggccaggc aactccagcc gctacaagac ggagctgtgc 300
 cgtcccttcg aagaaaaacgg tgcctgtaa tacggggaca agtgcctgtt cgcgcattggc 360
 atccacgagc tccgcagcct gaccggccac cccaaatatac agacggagct gtgcccgcacc 420
 ttccacacca tcggcttttgc cccgtacggg ccccgctgcc acttcattca taacggccag 480
 gagcgacgca ccctggcgaaa gggccggagac ctctccgctg accgtccccg cctccagcat 540
 agcttagct ttgctgggtt tcccagt 568

<210> 158
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 158
 gactgaggtg ggggtttac tgggcngng agtttncagt nggagactgc ggccatcacc 60
 gtcgccccctc gctgtcccgcc tggcggggccc actcgatatt gcctgtggac gatgatatca 120

acgggctaaa cgaggagcat aagcngcntt nnangtacta tctctaagnt tnttcaagag 180
aacctggccc ccaaggccca agagatngat cnaaccaatg acttcaagaa cctgagagag 240
tntgtggaaa cancctgggg agcctggntg tactggcat cacagccncc gttcagtatg 300
ggggntntgg cctgggctac cttagaacatg tgggtgtaat ggaagagata tcccagggct 360
tnnggagcag gggggcttag ctacggtgct cactccaacc tctgcgtaaa ccagantgn 420
cgaannggga atgaggcnca gaaagagaaa taccttcca agctcatcag tggtgagttc 480
atcggagcct tggccatgag tgaacccaat gctggctctg acgttgtctc catgaagcta 540
aaagcagaaa agaaaggaga tcactatg 568

<210> 159
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 159
actgagtaaa tggttattgg aggcttgagc tgggatacaa gcaagaaaaga tctgactgaa 60
tatttgtctc gatggggaa agtggtnac tgcacaattnaaacagaccc agtcaccggn 120
aagatcaaga ggatttgnat ttgnngctttt caaagatgtgcgttagtgtg gataaggttt 180
tggaaactgaa agaacacana ctggatggca aattgtataga ccccaaaagg gccaaagctt 240
tnnnngggaa agaacccttcccttggatttggatttggccca gataacttcag 300
aagaacaaat taaagaatattttggagccttggagagnttgcgtgttgancttccca 360
tggatataaa aaacaaatgaaagaagaggttctgttttacatcacac agacgaagag 420
ccagtaaaga aactgtttagaaagcagatac catcaaataagttctggaa gtgcgaaatc 480
aaagttgcgc aacccaaaga ggtgtacagg cagcagcagcaacaacagaa aggaggcaga 540
ggggctgcag ccggcggaaaggaggt 567

<210> 160
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 160
gactgagaga agatcttc agaagcaact cccaggtgtc agcagtgtca gagcgtggta 60
aaggctgata tcgtgtttt cgggtgagaac cttccatcgc gcttcttctc ctgcattgcag 120
tcagacttcttccatcgttgcacatcatggca cctccctgca ggtgcagccc 180
ttcgccctccc tcatcagcaa ggcaccacta gccacccac ggntgctcat taacaaggaa 240
aagacaggcc anacggaccc cttctggc atgatgtatgg gcctgggagg tggcatggat 300
tttgacttca agaaggcttacagggacgtgcgttgcactgnatcaaggctgc 360
ctggctctcg ctgacctcttccatcgttgcacatcatggca aaggaacttgcgttgc 420
catgccaaca tagatgcccagtcaggggtca caggccccca accccagcac taccatctcc 480
cctggaaagt ccccacccgc tgccaaggag gcccaggaga ccaaagagaa agaggaacag 540
cagtaacagt aaccatgacc tccccca 567

<210> 161
<211> 565
<212> DNA

<213> Mus musculus
 <220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = A,T,C or G

 <400> 161
 actgagcttc ggaaggagta tggggccaac gtggttcctg cattcccccc aaagaagctg 60
 ttctcttga cccctgcaga ggtggagcag aggagagagc agtggagaa gtacatgcaa 120
 gctgttcggc aagaccatt gcttggagc agtgagactt ttaatagctt tctacgtcgg 180
 gcccaacagg agacccaaca ggtgcccaca gaggaggtt ctttgaagt gctgctcagc 240
 aatggacaga aagttcttgtt aactgtgcta acttctgacc agacagaaga tgtcctggag 300
 gctgtggctg caaagctgga tcttccagat gacttgatcg gatattttag tcttccctt 360
 gttcgagaaa aagaagatgg agcctttct tttgtacgga agctgcagga gtttgaactg 420
 ccttatgtat ctgttaccag tcttcggagt caagagtata agattgtgct cagaaagagt 480
 tattggact ctgcctatga cgacgatgtc atggagaacc gggttggcct gaacctgctt 540
 tatgctcana cggtgtcagg acatg 565

 <210> 162
 <211> 562
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

 <400> 162
 actgagccgc tttgaattta tttggacgtg atgaaattgc tacctatgag acagggaaag 60
 tgnatcatga agagaccaag gggattcaact attgcactcg catctggta ccgtgtcacc 120
 tcgggtcagt gacagttgca tttgcaccag gccttggaaa gatgacgtgc agagccaaaa 180
 tgaaggcatac agcactgact agggttctga tgactctact ccagaaaaggt gcatgaagag 240
 gtctccttagc tccatcacat ccacatcatc agtgcttggg ggcttgctgg gtttctccgt 300
 ttgcacatctg caaatacttg cccaaatgtcat gcgaaaacag gcactggctg ctttacacac 360
 ttacaccatg cataaaatac ctgtgggtga cctgcttggt gcccattggca gtgggtccac 420
 gggctggagt cgcaactgaaa tctcanagct gccagtgccc tggcccagcc tggccctgtc 480
 cccaacaaat cattttcaaa tgaatgttta gaactgaagg atgtaagaaa tgaaaaaaag 540
 taataaaaga ctcattctgg ac 562

 <210> 163
 <211> 562
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

 <400> 163
 actgagcgga gcgacttta acagctggct ggntgttcgt catattgaaa agtacgtaaa 60
 ccaaggtaaa agtggAACAA gagaattgct ctggcctgg gcacagaaaa acaagacgt 120
 cggcgacctt ttagagggttc tccaggacat ggggcatcaa cgagctatcc acttaatcat 180
 caactatgga gtaagctgga ctccttcagt gcagacgcat cacgagcttc cattccccag 240

cttcccacct gaggtgaagc atgcgtgcag agaaaacgac cctggacctc tggAACAGC 300
caatgtcaca gtggataatg ttcttggcc tgaacataat gaaaaaggaa cactgcagaa 360
aaccctatc agcttccaga gtatcctaga aggaaccaa cattccaca aagacttcct 420
gattggagaa ggggagatat tcgaagtata cagagtggac attcgaaacc aagcatatgc 480
tgttaaattt tttAACAGG agaaaaaaat gcaactaaag aagcactgga agagatttt 540
atcagaactg gaagttctac tc 562

<210> 164
<211> 560
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

<400> 164
tgagggcAA gatgaagagg attgcTTTC agttcacGCC ttacagCTGG gtacgcTTG 60
agtggAAgCC agcCTCCAGC ctgcACCGCT ggctggCCGT gtgtggCATC atcctggGT 120
tcctgCTGGC agagCTGAAC acCTCTTACc tgaagTTTGT gCTatGGATG ccccCTGAAC 180
actacCTGGT cCTTCTGAGG ctggTCTTCT tcgtGAACGT gggTggGTGT gCCatGCgtG 240
agatCTACGA cTTcatGGAT gaattGAAGC cccACAGGAA gCTggGCCAG caggCCTGGC 300
tggTggCAGC catCACAGTC acAGAGCTTn tcATCGNgn gaAGTATGAC ccgcACACAC 360
tcaccCTGTC actgcCCCTC tacATCTCCC agtgcTggAC tCTTggCTCC atcctggTgc 420
ttacATggAC tGTCTggCgC ttCTTcCTGc gggACATCAC catgAGGTAC aaggAGACCC 480
ggcGACAGAA gcAGCAGAGT caccAGGCA gagCCgtCAA caACCgggAT gggCACCCtG 540
ggccAGATGA tgacCTGCTT 560

<210> 165
<211> 556
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 165
actgaggTgg tGTATgAGGA cAGCCGcatG gttggcCTGA aggccccCTA tGTgtcAGGC 60
ttcCTggCCt tccgAGAGt ccCTTtCCtG gtggAGTTGG tacAGCGGCT gcaAGAGAAG 120
gaaccAGATC tcatGCCCA ggtcgTTtCTt gtggatggAA acggggTgCT tcACCAACGA 180
ggcgttCggg gtggCCTGCC acCTTggTGT cttACAGAG ctGCCATGCA tcggggTggC 240
cangaAGCTC ctgcAGGTgg atggACTggA gaacaATGCT ctgcACACAG AGAAGATTG 300
gctcCTGcAG gCCGGAGGAG acACATtCC tctgATAGGC agCTCTGGGA ctgtcCTGGG 360
aatggCCCTG aggAGGCCATG accACAGCAC caAGCCCTC tatgtCTCTG tggGCCACAG 420
aataAGCCtG gaggtcgCTG tgcgcCTCAC ccACCACTGC tGTAGgttCC ggatCCAGA 480
acctatacGC caggCTGACA tccgCTCTG agAGTACATC cgaAGGACTC tagggCAGtC 540
tggggTggCT cctgca 556

<210> 166
<211> 553
<212> DNA
<213> *Mus musculus*

4.00E+000E-004.20E-002

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<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 166
gactgagggtt gaaaaaaggc agacatgatc aataaaaata tgactcatca ggtacaagct 60
gagagagatg ccctggcaact gagcaaaagc ccttttggtt tgcatctcta ttactcactg 120
cagtcagcan gcaacatcta cttgataatg gagtatctta ttggggaga tgtcaagtct 180
ntccatatacata tatatgggtt ttttggatgaa nagatggcta taaaatataat ttctgaagta 240
gcattggctt tagactacat gcncagacat ggnatcatcc atagggatna gaaaccggac 300
aatatgctta tttccaanga gggtnatatt aaactgacag atttggnct ttccaaagtt 360
acttgaata nagacatcaa tatgatggat attctcacaa caccatcaat gtctaaacct 420
aagcaagatt attcaagaac tccaggacaa gtcttatctc tcacatcgttc tttgggattg 480
ttcacaccag ntggagaaaa agatcaagac tctgcaaaca tgtntncagc ccctaagtct 540
gctgcacaac ttt 553

<210> 167
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 167
gaactgagcc ccccttaggcc cagaggttgg ttcctgctgt gacatgcctg ccatgtggcc 60
acttcttcat gtcctctggc ttgctctggt ctgtggctct gttcacacca ccctgtcaaa 120
gtcagatgcc aaaaaagctg cctcaaagat gctgctggaa aagactcagt tttcagataa 180
acctgtccaa gatcggggtc tgggtgtgac nggacatcaa agctgaggat gnggttctt 240
aacatcgtag ctactgctca tcaagggtc gggagagaaa ctttgcgtga gaggtccttag 300
gctacgtcac tccatggac agccatggct acgatgttgc caaggtctt gggagcaagt 360
tcacacagat ctcaccagtc tgggtgcaac tgaagagacg tggcgtgag atgtttgaaa 420
ttacaggcct ccatgatgtg gaccaagggt ggatgcnaacg tgtcaagaag catgccaag 480
gtgtgcgcac agtgcctcga cttctgtttg aagactggac ttatgatgat ttccgaaacg 540
tcttagacag t 551

<210> 168
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 168
gactgagggtt tagaaggatc cagcccgagg ctaaggtggt cacagaaggg agagtcagcc 60
atctgcagct aggagatatg cttaaaggaa agactcagca gcaaggagct ggggtgtgat 120
ggccggctcc cacgtggaca tggcgccagc ttccaccacc gagggaaactg gggaaaagcc 180
agggcccaact ggcgcagcac ccaccccaagc tgctcagttt gatgtgggg aatgcccggca 240
agtccctttagt gtggtcatct cggctcctgc accatcagcg cactcacaca gngancgnt 300
cctataaaatc ctcggactgc cnnaaancnn ttangggnnct ctgaancttc ctgtancacc 360
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agcggngcca tacaggngan cgnnccatn aangcccaca ctgncccann gcctttnagc 420
gctnnttctt gctgcagatc caccgcagtg ctgcacacnn gctctgtngn ncttgacctg 480
nnnnccagagt ggtctgnnct tccagnggtc atcccattac caataccact tgagacagca 540
taccgg 547

<210> 169
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 169
gactgaggtg ccaggaggcag taccaggct gctctggctc cagtgaggat gaagcggcca 60
gtgaggcccg gagcaccacc agtactgtc ccagccttct cagcaccacc acagaggact 120
gcctgggtgg cgaagcggtg gacgaacaga gccagcagga aaacctggag gagaagctga 180
aagtttatgt ggactgcctg actgacaaga gtgccaagac ccgtcaagga gccctggaga 240
gcctgcgcct gcccctggcc tccccctac ttccggactt tctgctggag cgcagcctca 300
ctctggcggta tgccctggaa aagtgcctta agaaaggaa gggtaagaa caggctctgg 360
ctgctgctgt gctaggcatt ctctgtgtc agttgggccc tggacccaag ggcgaggagc 420
tgttccgtag cctgcagccc ttgctcatct cggtgctcag tgacagtaca gcaagcccc 480
ctgcccggct ccattgnct tctgcttgc gcttgggttg ctatgtggct tgccaccgac 540
gtcca 545

<210> 170
<211> 542
<212> DNA
<213> Mus musculus

<400> 170
actgaggaaa gaaaacctcg tgctcctgga aatggcctga tatgaaggag ccaccctcc 60
agctttccct gtgggtgcct cgtccttcag gtacaggagc tggctgaaac atcaggaatg 120
gaaggccaaatg tgactatccc aatctggcaa aacaaggccac atggggctgc tcgcagtgt 180
gtaagaagaa ttgggaccaa tctccccctg aagccctgtc cacgggcattc ctttgagacc 240
ctgcccaaca tctctgact gtgtttgaaa gatgtccctc cagttccctac tctggctgac 300
attgcctgga ttgctgcaga tgaagaggaa acatatgctc gggtcaggag tgatacacgc 360
cctctgagac atacctggaa gcctagccct ctgattgtca tgcaacgtaa tgcctcagtg 420
cccaacctgc gtggctctga ggagaggctc ctggccctga agaagccggc cctgcctgcc 480
ctgagccgca ccactgagct gcaggatgag ctcaagccacc tgcgacgcca gattgctaaa 540
at 542

<210> 171
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 171
tccgcactcc tacgagcccc gnggnncagg agtnctgtca tgccgctggt gcgctacagg 60

aagggtggcca tccttagggta ccgctccgta gggaaagacat ctttggcaca tcaatttgc 120
gaaggcgagt tccttggaaagg ctacgatcc acagtggaga atacttacag caagacagtg 180
actcttggca aagatgagtt tcacacctacat ctggtggaca cagcagggca ggatgagttac 240
agcattctgc cctactcgct catcatcggg gtccatggtt acgttcttgt atactcggtt 300
aactctctgc gcagctttca gatcggttaag aacctgtacc aaaagctaca cgaaggccac 360
ggtaaaaccc ggctgtcggt gctgcttgt gggaaacaagg cagatctctc tcctgagaga 420
gaggtgcagg cagttgaagg gaagaagcta gcagagtccct ggggtgcgat gtttatggag 480
tcgtctgctc gggataatca gcttaactcaa gatgtcttca tcaaagtcat ccaggtggag 540
gg 542

<210> 172
<211> 538
<212> DNA
<213> *Mus musculus*

```
<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A, T, C or G
```

```
<400> 172
aacttgtccc atctggnaca ctgtgctgg ggcttttagat gttcaagaac actctttggg 60
tgtccttgct gttctgttg tgaagttctc aatgcccagt gttcctgact tcgaaaacact 120
attctcacag gttcagcttt tcatcagtagc atgtaatggc gagcacattc gatatgcaac 180
agatacgttt gctgggcttt gccatcagct aacaaatgca cttgtggaaa gaaaacagcc 240
ccttcgagga attggcatcc ttaagcaagc catagacaag atgcagatga ataccaacca 300
actgaccta c gtacatgccc atctctgcca gctttgtta ctagcgaagt gctttaaacc 360
tgcccttcca tatcttgatg tggatatgat ggtatctgg taaagagaat ggagcctatg 420
atgcaaaaca ctttctgncc tactactatt atggaggaat gatctatacg gggctgaana 480
acttttggaaa agancgctgt acttttatga gcaggctata actactcctg cctggccg 538
```

<210> 173
<211> 537
<212> DNA
<213> *Mus musculus*

```
<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G
```

```
<400> 173
ggcatgaaag aatcatnatn cattttatcc accacacctt cctcctgcaa caagagttag 60
ggcgccctct ccatagngca gctgtaccac ctggttgatg gagttncatc cagttgcac 120
atatttcacc atcaccgact ccatggactt tatcagccct cgctgaatat accctggaa 180
agggaaatcaa ttgaaagacc tgaggtaaaa gcatgacaaa gctcaaaatg cagagaccaa 240
aattcanctt tagatggaga atccccattc ccatctccac aagagctcan aaaaggcctc 300
accagtctca gcagtcttaa cagccgtgtc aatgagacct ttcgtcctc ccatggcatg 360
gaagaagaac tcantgggtg tgagaccanc caagtatgaa tttntacaa agcctcgnc 420
ctcaggacca taatcatnct tgataaaagtg aggaagagtc cgatgcttga atccaaatgg 480
gatccgcttg ccctctacat tctgctgccc gacaacagca atgacctaag ggggatg 537
```

<210> 174
<211> 535
<212> DNA
<213> *Mus musculus*

<400> 174
actgaggcct ggttagggag gagtgtgtag gtgccatcg ttcgaagttt gatatgcaca 60
aaaagatgtt ccgcagaggt tatataggca ttgttagccgt ggactccaaa tacaggagaa 120
atggcattgg tactaacttg gtaaagaaag ctatataatgc catgttgc ggagactgtg 180
acgagggtgt tttggaaaca gaaattacaa ataagtctgc tttgaaactt tatgaaaatc 240
ttgggtttgt tcgagataag aggctgtca gatactatt aaatggagtt gacgcactgc 300
gacttaaact gtggctgcgc tgaggaactg acagcaagga acgactccac ccacacggaa 360
gcatgttttgc catgcaatgc aatttgca gaattgctt gcaggtggat ttgtgattc 420
ccatgcagct gttatctgtc agtgcattt gagggtcgca caatatttgc tgcactttgg 480
catggcgcat ttgttctgaa ttaaatgaaa ttgtttaaa cttcaaaaaa aaaaaa 535

<210> 175

<211> 532

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(532)

<223> n = A,T,C or G

<400> 175
gactgaggcgt ttgttaatttttgg ctgnctataa tgggnaagaa cttacattgt anaagagact 60
gttggncagt atntttcaag catnaacctc cagggaaanc cttttgtctc tggtcttttgc 120
ataggacagn gctcttcaca aaaggattat gtgattctg ccactagaac accacccaaa 180
gaggaacnaa atgacanngt caaacngccn agagctaagt tggataattt ggatgaagaa 240
tggccacag aacatgccan ccaggagtct ctgngncacc cttggcaaaag cttgagcann 300
agaccttaac gccttacccccc ncagngacnc anttnctnca acaaagctnt gcctactnca 360
ccaagaccac acttgcnaat agnnccgttc cccntgcctg agccnagcnt tcaaacacat 420
gagngcattt gngccgtacc tattcacacc accacatctg ncangaagna ggaanagcat 480
agnngcgttgc gggctggatc tgngaaaagn ggggcatcaa taaagatact gc 532

<210> 176

<211> 527

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 176
acgtaaaaaa attgtttcat cagctcatac gttgtgaaag ccacagcttgc agagggata 60
cagcgatgt agttcagaga taagccacgg tacaatccctc tccgaatccc atgctgtcc 120
tagacgtact tcatggtctc ccgcattgttgc ctgaaaggca gtggaaaatg atatagcaac 180
catccaaagg ggacaaggcca ccacaagggttgc acaagacanc tcaagagccc agaacagctt 240
cggttttttgc gatggttcct tcagacagaa tgggtcttgc cagccggc tagctttgg 300
ctataatctt ctgcctccca aatgctgggc aaagagggttgc atgcaccacag aaccaaccta 360
gagtagcatt tttaaaggag gcttaactgg ttatgggttgc tcaagcttac aatcttagca 420
cttcagaagc taaaaggagt ttcaagccaa cttgagctac agagatagaa ttgttatcaa 480
ataaaacaat aaatatttgc atatataaat acacacataa aaaaaaa 527

<210> 177

<211> 524

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 177

gactgagtga tggtcagtct tcagccattc ctgttagccag tggggagttt gcagccatct 60
gtctcagaaa tgccttggc ctgttacctg aagaacagca agatcccaag caggaaaatg 120
gctccaagag cagcagccag cttggagggaa acaccggaaa gcagcgagag cagcgagacc 180
gtgcagcagt aagagccatg atggagataa agttcattcc ctgcattccacc gtcttctccc 240
gntgagggaaa cagggaggtta agaaaacctt naagtgcattc attcttgctt gcagtgccta 300
tgtggctctg gcccttaggt gataancctc atggctttt aaccatgcag atcagctcct 360
gcagccanccc aagctggctg gctttntta aattttgggc ccatttatat ggccggagaa 420
agccctnnt ctccccttca anagggatnt gttgatgccn antaannnnnc tttgaccnna 480
aaaaaaatgnc acttgatntc tttcttttgg ggatctttt taaa 524

<210> 178

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(523)

<223> n = A,T,C or G

<400> 178

atgatggcca agaactggag cgctgctggg aacgctttct gccaggctgc ccaactgcac 60
ctacagctcc aaagcaagca ctgatgcagc cacctgctt gnggacgctg gcaatgcctt 120
tcaagaaaagc tgaccccaa gaggccatta actgtctgtat gagagcaatt gagatctata 180
cagacatggg cagattcaca atcgcagcca agcaccacat ctccatcgct gagatctatg 240
agacagaact ggtggatgta gagaaggcca tcgcccacta tgagcaatct gcagactact 300
acaaggaga agagtccaaac agtcagccaa acaagtgtct gctgaagggtg gctggctacg 360
ccgcacagct ggagcgtac cagaaggcta tcgacatcta tgaggcagggtg gggaccagtg 420
ccatggacag tcccctccctc aagtacagcg ccaaagacta cttttcaag gcggccctct 480
gccacttctg cattgacatg ctcaacgcca agctcgctgt ttc 523

<210> 179

<211> 522

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 179

cagtccaaa cagtgcaccc gggggagatc tcaacccagc tggagaagtg gacatgaggt 60
tggcaggccc cctgcgcatac gtggccctaa tcatcattat gggcttcacc tggatcctag 120
tcaccatcct cctaggtgtt cctgggttg gccttcctcg aattcagcag ttcttcacca 180
gcccagagaa ctcagtgcact gcagaaccaa gggccaggaa gtacaaatgc ggcctgcccc 240
agcccttgcac tgaagagcac ctgagcttcc gaatagtca ggggctgcc aatgtcatcg 300
ggcccaagat ctgcctcgag gacaagatgc tcatgagcag cgtcaaagac aatgtggcc 360

gtggcctgaa catcgccctg gtgaatgggg tcagtggtga gctcctagaa gccagagcct 420
ttgacatgtg ggctggagat gncaatgatc tcttgaagtt catccggnca ntgcatgaag 480
gnaccctggt gttggggca tcctatgatg atccagctac ca 522

<210> 180
<211> 521
<212> DNA
<213> *Mus musculus*

```
<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A T C or G
```

```
<400> 180
gactgagatc cagttgtggg acacggcagg gcaggagcg  ttcaaggaaga gcatggtcca 60
gcactactac aggaatgtgc atgctgtcgt ctttgttat gacatgacca acatggccag 120
cttccacagc ctgccggctt ggatagagga atgcaaacag caccttgctg gctgaacgac 180
ataccatcga attctgttgg gaaataaatg tgacttgaga agcgccatc aggtgcccac 240
agactnnnca cacaagttt  ttgactcacn ctatttgc  tntgcnnnc ancccangt 300
nataccnctn tgnntttgac tcaactgaaa tctatattca tgaccttacn ccanaagcca 360
aagaccacaca agccattgtat gcttncncag ctgnctgata acagaattag cctgaaacct 420
gagaccaagc ctgcgggtgac ttgctgttgc tgagtcatag gtgtggccat tgccgggtctg 480
acttacatgtca agagatgatt gggaaagtgtg acagtgtatca a 521
```

```
<210> 181
<211> 520
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A.T.C or G
```

```
<400> 181
ccgtggctcc acatactgct gcaccactnt gagcacanac tntgnctanc tnatggtgtg 60
nccntgcnnn tactggtnct ncntatancc anttgntant naaacccttt atactcttgg 120
gcaangnatg ttctgttctt gaaaganngg gggggcccaag aagtccagaa tgctctgtgcc 180
aaccctggcg ctgggactgt catcctgctg gaaaacctcc gctttcatgt agaggaagaa 240
gggaagggaa aagatgcttc tggaaacaag gttaaagctg agccggccaa aattgtatgct 300
ttccgagcct cactgtccaa actaggagat gtctatgnca atgatgcttt tggactgca 360
caccgagccc atagctccat ggggggnngt aatctgccac agaaggctgg gggatttttg 420
atgaagaagg agctgaacta ctggccaaag gctttggag aatccagagc gacccttcct 480
ggctatcttggagggcgcta aagttgcaga caaggatcca 520
```

<210> 182
<211> 516
<212> DNA
<213> *Mus musculus*

```
<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G
```

<400> 182
gactgagggt tttatgacgc ttnaggctgt ggctgaatct ctgacacctggg aagcagtggg 60
aacagctggc tgcannctcgaa aaagggttctgtgaanagag cacaaaggac gctggnagca 120
cagttgtgcc tggcttggaa acacnaactgtgaacacaga tgtgattcta aagcaggana 180
ttttaaagga ggcagancca cagggatggc tacaagaagt atcccaggta atggtcccan 240
caattaccan atgtggngac cnctctgagg actgggaana aaagctgcca aaagctgctg 300
tnctgctgcn gctccagggt tntgaagagc nnggacacac gtgnccatccc gnttctcatc 360
gntgtgtcca gagagggaaag ggactctaannacaatgagt ctgagaacag tggcagntct 420
gtncttggtc annacatcca gacagcanaa ggactggnc ccaacagtca gtgtgggat 480
gaccacanac aaggntncca tgtgaaatgc cattca 516

<210> 183

<211> 515

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 183

tactcgccct tcgtggtctc cttccataag cactactatc cctgggtcca gctttccgga 60
cacgctggaa acttccaggc cggtgaggat ggtcggttttgc tgaaacgttt ctgtcagtgt 120
gagcagcgca gcctggagct gctgatggaa gacccctgc ggcctttgt gcctgcttat 180
tatggcatgg tgcagcggga tggccaggcc ttcaaccaga tggaagatct cctggcagac 240
tttggggcc cctctatcat ggactgcaag atgggcagca ggacctacct ggaagagggag 300
ctggtaagg ccagggaaacg acccaagccc cggaggata tgtatganaa gatggtgggc 360
agtggacccc ggggctccca ccccanaaaa gcatgctcaa gggngccatt cacgaagccc 420
ccgatacatg cagngggngg gagaccctga nttnacttt ccacgcttgg gctttccgg 480
atnngaaggn catcaanaaa ggctgatggg acctg 515

<210> 184

<211> 508

<212> DNA

<213> Mus musculus

<400> 184

aggagaagcc caagctccct cccagcaggg cccagtcctt gagctatgcc ttagcgacca 60
ctgatgcttc ctacttaagt tccattgtcc gactcttcaa aaacctcaac ttctgtctgc 120
tggtcatcac ctatggtctg aatgctggtg ctgttctacgc ctatccact ctgctgaatc 180
gcatggtgat ctgcacttc cggggggaaag aagtgaatgc tggaagaatc ggtctgacca 240
tcgtcattgc aggaatgttt ggtgttatga tctcaggcat ctggctggat aaatccaaaa 300
cctacaagga gacaaccctg gtagtgtata tcatgactct ggtgggcatt gtggatataca 360
cattcacctt gaacctgaac catttgtggg tagtattcat cactgctggc acactgggct 420
tcttcatgac tggcttatctg cccctgggtt ttgagttgc tgtggagctc acataaccag 480
aatctgaagg cgtgtcatct gacccag 508

<210> 185

<211> 507

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 185

ctgccaggaa gcactgggct ggtgtccata tnanagaagn atnaccntnt atggagactt 60
ctgctaatga gcaaaaacaat ggtgatgag ctcttgcag aaattgtgcn ggcagatgaa 120
cctatgcagc tcagcctgac aaagatgacc catgctgtc tgccctgtAAC atacaatagc 180
atccgaacat ggcctgcccc ggacaggatt cgtctaggct cgtaggcaac agtaacctt 240
tctactgcac tgcagttgtt aggatgggtg gtgtgtgagt ccacggtgca ctgcaaccct 300
cagggccggat ggccagctga tgccctctgag tacctgtggg ttccgtgact acagcctcca 360
cttctgtcct cagtccttgt acatctgaa cctgaaggcc ccaccgccaa gctacagggt 420
gacctcattt gacgtgatga tggcattgct gttgaggtga cagaagccac tttgtgtaa 480
actaaaaata atcatgagag agaaaact 507

<210> 186

<211> 504

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G

<400> 186

actgaggtgg tgaattctta ctctgttggg aacacagga aatttgttag caggaagtat 60
gcctcccaag ttcaagcgcc acctaaatga ttagtgcgtg accgggtctg tgaaaagtga 120
gaggagaaat cttttggaaat atgattcaga tgaagaagag gactttttc tacggggacc 180
atctggacca agatttggac cttagaaatga taaaattaag catgttcaga atcaggtgga 240
tgaagttatt gatgtaatgc aagagaatat tacaaaggta attgtaaagag gagagaggct 300
ggatgaacta cnggacaat canaaagctt atcggataat gccaccgctt tcagcaacag 360
atccaaacag cttcgaaggc aaatgtggtg gcgtggatgc aaaataaaag ccatcatggc 420
tttgctgca gcgttcctt tgctaatgtat tattttttt atantgtga aattccgtac 480
ttgatttgat gacagagacc ctga 504

<210> 187

<211> 501

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 187

gaggagtcgg ttcgaactgg accaagctgc cccacctctc ttcagtaaag tggttattgt 60
gttgatagat gcatatggat atgattttgtt gtttgggtcg aaaggtgtga agtataatgcc 120
ctacacaacg tatctggtag aaaaaggagc atctcatagc tttgtggctg aggcaaagcc 180
acccacagtt actatgcctc gaatcaaggt ggataaaaat gtcacaaggc atttggacaa 240
agtattaaaa agaggagact gggatgtgtt aatccttcac tatctaggac tggatcacat 300
tggccacatt tctggggccca acagccccctt gattggtcac aagctctngc naaatggaca 360
gtgngctgat gaaaatccnc ctttcaactgc tgntcgaaag gactgaaaga ctcttttacc 420
cagtnccgtg gntctcnngt gncgaccatg gaantgncc gnaactgcna gccntggcgn 480
cctctttcac ctgaggaagt g 501

<210> 188

<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 188
aactgagcat cctaattgtcc tatgatcatg tggagcttac cttcaacgac atgaagaatg 60
tgccagaggc cttcaaaggc accaagaaag gcaccgtcta ctttactccg taccgggtca 120
tctttctgtc taangggaaag gacnccatgc atntccttta tggatgcctt ttaccngatg 180
aaggacntgt gatattaanc acccggnntt nngngccanc ttnattaagg gaatagtgaa 240
ggctgaagca tgangtgnct ggaaaggntn cncntcntac annctgacct tnacagcagg 300
gggcgccatt nagttngnngc anangatgct ncagntngna tntnnagcct tcnaaggtga 360
agtcccaat gggagacta tggctacttg ttanatgcnn agcngggcct aagtgtttac 420
tncgnccatc gnaaatggga atgtacncct gcanntcntg nntatggnta tacagcaccc 480
gcgaccggaa gtgctatcca 500

<210> 189
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 189
ctcctgagcc cttgccgctg tgacggntca gtgcgttgca cacaccaacc ctgcctaattc 60
cgctgggann agttagaggg gctcatggag ctgtgagctt tgctacttca agtaccagg 120
cctggcgatc ancaccaaga atccactgca gtggcaggcc atctccctga ccgttnatcna 180
gaagggtccan attgctgcta tcgtcctggg atcgctgttc ctngnggggn gnatctcctg 240
gctcatctgg ncctcgctca gcccttcagc aaagtggcag cgccaggacc tcctcttnca 300
natttgctat ggcatgtacg gcttcatgga tgctgtcttc atangcctca tcgtccacga 360
aggggncttct gtttaccgna tcttnaatcg ctggcaggcc gtgnaccacc agtggaaagt 420
nctgnnctat nacaagacca aggacgtggg aggagacaca gggggagggg cggcaggaa 480
nccaggcccc aggacct 497

<210> 190
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 190
cccactggtg caaccttagag cgatccatnc ncntgcncnn ttactacctg naccntatan 60
tantncagcg aggaatcctg cnccaacntc cactnggtng atacanctgg ggnncacaact 120
attantaatg ctgagccgtt ganaaccatg nnnccnnnnntn gnanacanga ggaggacttt 180
gtgtctttac acacctcgag acaaggagag cttcatgag aacctcaggc acccttagtcc 240

aggggtcaag gctgagaatc tggagctggc catccagaaa gaggtgaggg cctgcgagtg 300
gcgaccgaat gagagcacct cctcctagct ggcctaggat atctgagctg cgactccagc 360
ctgtagccca gttctccagt catccccctg aaaccattct ggggtggga gctactcagc 420
cttctncagc gtcacactcc ctagcttag ngccctgctg gggtgagcgg ntcttccatc 480
ccagctaacc ctcta 495

<210> 191
<211> 489
<212> DNA
<213> *Mus musculus*

<400> 191
actgagtgtg gatctgcagc agcaaatcat gactattgt a gatgagctgg gcaaggcttc 60
tgccaaaggcg cagcacccat caccagcgct ttgaggatgc aaagcaaccg 120
gcacgttatt tacatactga aggacaccc tc agcccgaccg gcaggaaag gagccattat 180
tggtttcctc aaagttggat acaagaagct ctttgcactg gatgaccggg aggctcacaa 240
tgaggtagaa ccccttgca ttctggactt ttacatccac gagtcggcgc aacggcatgg 300
ccacgggcga gaacttttc agcatatgtt acagaaagag cgagtggagc cccaccaact 360
ggccattgac cgaccatcgc cgaagctgct caagttctg aataagcact acaacctgga 420
gaccacagtc ccacaggtga acaactttgt catcttgaa ggcttcttg cccatcagca 480
ccgtccagc 489

<210> 192
<211> 488
<212> DNA
<213> *Mus musculus*

<400> 192
gaactgagct gaagatgtcc acctgcttgg tcagctgccc cactctgatg aagtgttccg 60
gcagatatgc agctgaggcc tggAACAGGA agcactgcct gccgtcatca ttagggcagg 120
ggctctgcac cggaaagctt cctgaggcag agctgcatct ctgcctgttag gaatctgtcc 180
atggaccctg gactggagcc ggccacctgt gggaaaatac acagccctg aagacccatc 240
caccctcagc cccggccctc actgctccct gcagacaccc tcacccacc tccctgagct 300
tcttgaaggc gaaggccaca ccgttccctt gaccctggta gatatcgca aaggtgcct 360
cgctgattcg gtggcttgg tcaaagtccct cagttgcctg gacgacatct gcttcactcc 420
agaaaaggcct gtctccgggc aaacccaaaa gccttcttg cttggggca gatgtggaag 480
tactgctg 488

<210> 193
<211> 483
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 193
atttttcagt tgcattttta agnangnagg ctcattggc aaattgttat ttccaggaa 60
tccctgtgct gatcgtggc catcatatcc tttatggaa aaccatccac ctggagaaac 120
cttttgcagt ctttgcataaa cacactccctg ggaagcagga ctgtgatgag cccggcag 180
ggactggcac ccagtacttg gtgacagcac tcataaaaaa caagatccctt ttcaaaaactc 240
gcccccaagcc tattatcacc aacgtccccca agaaaagtatg aaagaacccc ggattttccc 300
tagagagcga ccaactccctt ggactcgatc tccattgcctt cctcgaggac ggctggacgg 360
aggccctgtt atgaacgcag gccacccat ggggtgtgaac tcagatccctt tccttatggc 420

agcaggttct cttggtgaa acctggctcc atttccaagg gaatgcagct cctttcaga 480
atc 483

<210> 194
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 194
gaccatgcac tgactcacag tnntgacaga agtcttnn atacccagta agggacactg 60
cctcaactgcc atcncnagcn ancgctntnt canttcatgn gccacttgnc acanaagaaa 120
nggtngccgc tgagcaanca cgtgtngcat cgctgttga gaacaagnct gagggacactg 180
ncnatgaagg acnttacaga naacnacttn ccanaaacat nagttttgt tagctagaac 240
agcacgagtc accttcatgt ccactgacga tgggtcaccc tgctgnagcg nccactcata 300
aaggacaang gcgtggangt ccgagcttc tcgaccatct agaactaccc cgtctgtggg 360
cagatgtaaa accacatctt tcccagcctt gctaacggga ggcttgcctt catctgtgaa 420
agagaagaga caggagaggc atgcctctt gattccccag ctgatgaaca gcaatagctc 480
t 481

<210> 195
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 195
agttgcgcatt gcccccaagg tcaanaaggcc agggaggaag ccatagnncnc ctgnccctgn 60
gaaagcagag gcccactg ntgaanggan accgtaatnc ctcacccatgc tctggtnca 120
nctccagccc accaggtccc accctgaggg cccggntgctgca aacactgtta gaaaatgcct 180
ggctcaacgg ngtggactg cctacttggg gtcacaaggc ctccggagca gatnngacct 240
tcgcctcacc cccagctttt gggcangnca gacccatnat cttgtancat tgttaccagg 300
gctatttgcgt gacagtccac catncgggn gactgntgna gnaccttgnc cttgacatnc 360
atnctgccc gggctaaggn gttgnatnat nagnngntgga gcncancct taaccngggc 420
aanagaactt tgcctgaacc ttttnaaact tngaaggatc acctttct 468

<210> 196
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 196
gctgcttcctt acctttgact ggagacgtgg nctacctcat cgtagacacc ccgcctggca 60

cgtctgacga acacctctca gtggtccagt acctggctgc ggcacacatt gatggggcag 120
tgatcctcac caccctcag gaggtggccc tccaggatgt ccggaaagag atcagcttct 180
gccacaaggt gaagctgccc atcattggtg tggtagagaa catgagcggt ttcatctgcc 240
ccaagtgc当地 aaaaagatct cagatctcc ctcccacgac tgggggtgca gaggccatgt 300
gccaggatct gaggattcca cttctggca aangngccgct ggatccacac ataggcaaga 360
gctgtgacaa aggccagct tttttgtcg aagcctccag atngaccagn cacagnctnn 420
ctacngaagt atanttcaga ggatnccgag acttttgtta ttctcat 467

<210> 197
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 197
gatctgagtt cgtgcccttc agggcttatg tggaccgcac cggcaaccac gtactgagca 60
tggcccgccct ggcccggtat gttctggctg agattccgga ccaactgntg tnctacatga 120
aggcacaggg catncgcca cgcnnccan ctgctgcacc cgctcagtca ccccccacagt 180
ncccanccca ctcacctcct ggatcccccg tgcacacgca tatctgaagc tgagaggacc 240
aagggcctgg agggtaggct gacaccctan aataatanta naaaggcttc ccnttnnn 300
gcttngaggg ccagcnnaa atgggtgtc agggncttac accacttgac acncaaattc 360
aggggactgt ggtatacaaa acaagnggta cacngattat gggctgagg ggacccaccc 420
tagtccatgc cngacaactn cnagactttt ttattttgc 460

<210> 198
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 198
ctgtggcaga agtaaaacct cnagtagtgc cagtatacat tagaacacat gcatgcttt 60
ggatgtata attatctgca ctgtgtatgcc tggtatcaag acagtgtcta ctacattgtat 120
aaccttggaa gaattatgaa cttaacatgt atgctggaca ccgcctttagg aaaaccccca 180
gaggtgttcc gccttcctac agatgtgaca gcatatgaca atcgctttt ggcattatc 240
catttcacat ccccttcctg gtttaccttg tcagatggaa ctgaaagact gtatgtcatt 300
ggaacaggtg accgtggaaa cagtcctgaa aaatgggaga ntatgntna tgaanannnn 360
ggaanntctt ttnttatnnn tnncagtatc tcactgnngaa gagntgaaga acnttgagg 420
nctatcctgc tntntnaat tgagaaggag gaattggacc 460

<210> 199
<211> 459
<212> DNA
<213> Mus musculus

<400> 199
actgaggat ggatccggtc cgtcagatcc cagaggaagt tttgttcctg catgtaaatg 60
acggatcttc tttggaaagc cttcagattt ttcggatcc aagcttcgac agtagagaat 120

tgactttgg gagttctgtg caagtccaa ggcagcctgg tcaaaagtca gtccaagagg 180
caaaaatgtgg aactgaaggc agaaaagatt gaggttattg gagactgtga agccaaggca 240
ttccctataa agtataagga gcgacaccct ctggagtacc tgagacagta tcctcacctg 300
agggtcagga ctaatgctc gggttctata ttgaggggtcc gcagtgaagc cacagctgct 360
attcattcct actttaagga caatggctt gtgcacattc ataccccagt actcacatcc 420
aacactgtg agggggccgg agagctttt caagtggag 459

<210> 200
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 200
acaatctga ccggatgggc tcagngggcg ctagnccagca taaaactcgt nacacctatc 60
caaattggaa gnacaccgtc gacacatncc ctanaaaactt attgaagggt ggtacagagg 120
ctacaccccta aggaaaaagt ctaaaaaaggg natatctnc tgnttacatn ttttctttt 180
ataaganncc annagtgaga aggaaanagg gcncatcgn naccgttcat ccctggggac 240
ctccccctta tacagggaaag tcaccacaaa cgcttcgaga gtggtctacc atctggaggc 300
aactttatgt ggtaaagaaac tggatgctc agttaaagat taaaaatcca gagcgggttt 360
tctggtccct gtacaaaat agactttcc cttccctgg gaaccctang aagaggagag 420
gctctgagca agggtctttg ctt 443

<210> 201
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 201
actgtaatgt ctgtactttg tccagtgtcg aaattcagtt tcataattgct cactcatatg 60
aaacccagng ttttggtaaa gnatcaacaa cctccatttc aaactgggtc cacacgatat 120
ctccaaagcag ctagcactaa tgatcagaat cagaatggaa atcatactct gcctcagaat 180
tcaaaagggg atgcccaaaa tcacttctta cgtattccta cctcagaaga aaaaaagatc 240
attaacttta ccaaagagag caaggattca agaagtaaat ccttacttc taaaacaagt 300
aggaagatag agacacatct aatatctgtg ttaatgcaaa gaagcattct aatcgatattt 360
atcagatctc atcagttccg atttccagcc ttaataataa agaatccgtg tcaccagatt 420
taatagttgt aaaaaaaaaa a 441

<210> 202
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 202
tgagtcttta tagtaaaaagc tgaaggaaaa gtggaatcg atttctttg tcaatttaggt 60
cacnttcaat ctcttactgg aagattattc aaaagcattg ncatcttacc agagatacat 120
acagtttaca gactgacnta ctggaagaat gctgccttt tataatggnc tggttnggtc 180
tatttntact acaatgcatt tcagngggca atnagagctt tnnnnggaagc cctttatgtt 240
gaccctaatt tttcagcagc caaagaaaatc cattacgac ttggntttat gntcaaaaatg 300
aatacagatt atgaatctag nttaaagcat tttcagctgg ccctgatcga ctgnaatgtc 360
tgtacttgn ncagngtcga aatncagttt catattgntc acttataatga aacccaga 418

<210> 203
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 203
tcaccaacta cctacaggcc cgccaaganc canacgcccng nntagaggt gaacttgtgt 60
ctcacttct gaccagtgc atggacagcc tgtcctacccat gaagaaggc tctacagagg 120
gccacctgta taacggctt aacatcatag cagctgacccat gggcacgtca aaaggagatg 180
ttgtttgcta ctatggaaac cgggggggag cctgagccata ttgtcttgc accagganc 240
tatgggctan gcaatgcct gntggagacg ccctggaaag aagctgtgttttgc ttggcaaana 300
actnttcntg gaagcancgg ancaaancga ancncnttccct aaggacgtnc ttgtcactca 360
gctactaaat gncctcaaca atgaggaggc cagcttgccaa ggtaa 405

<210> 204
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 204
gactgaggcc atgaacctgc aagtgtaatg gctggnaaaaa ccccaagcccccccacgnac 60
cccgcatgga cctncancag ccngctgcca acctgagcga gttgngccgt ancatgtgag 120
cccccttggc cggaccatgt gtcccccacccatg gagaatgtgt cagaggacga gattaaccgg 180
ctcttggaa tggtagtaga tggtagaaaaat ctgttcatgt ctattcagtg agtagccctc 240
acatggaaac agcccaagact ggaggaacca tgagggccct tggcttatcc tacactgttg 300
tctatctgtc cctccaggat tgggggcagg aggaccatccattccttggc attaattccct 360
cgagggaaac aataaagctt tttttttccca aaaaaaaaaaaa a 401

<210> 205
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 205
gactgagaag gcggctggc tttggcgcag ngganaccaa cctaagttt ctgccttgg 60
gatgctggag aattcgctgt ncagccccac ctgggaagga tcccagttct gggtaacctc 120
gcagaagacc gaggctctg aacgctgcgg cttgcaaggc tcctacatac tgagggtgga 180
agctganaag cctgactctc ctgactttgg gtgcgcagag tcaaattctg gagccgctn 240
tttctggcc ctacactctg ttgcgtcgct atggccggga caaggtgcat ggggctgtct 300
gggaggatga cccgtcaggg agggctacca gtttagtgcat ctgttaggtga caattccatt 360
ctcaggtggt ctcttctgtg cagatacagt aaaaaaaaaa 400

<210> 206
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 206
aatccccaga ggggcatgca gntgcacact gtaggctgtg gcacactgcct ttgacttcca 60
caaagagatc gactacatgt tcctgggtgg cacagaagag gaaaaaatct acaagngctc 120
caaatcctac tccagccagt tcttggacac ctatgatgtc cacaacatgg cagtagacgc 180
tgtgctatgg aacccttacc acccanggt cttcatgtcc tgcaagctctg actggacagt 240
gaagatctgg gaccacacca tcaagacccc catgttcat tttatgtatga actcagccgt 300
gggtgacgtg gcctggcac cgtactcttc cactgtgttt gcagcagtca ccacggacgg 360
gaaggcccat gtgtttgact tagcggtaaa caagtatga 399

<210> 207
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 207
ggccctgcgt tgatgtggac gccacagtca nnctgcnggn anatggagct acccacggtg 60
tnggtgatgc ccanggacag ngcacctcna tccttacngt atctgcanc tgcaggagcn 120
tgnntgcngt cncacctgca acacnagcga tgcttgggn actctgaggn catggnatca 180
nntggagnac gccttcnct ggtgtgaaga tgacatctgg gaaaggctca ctcagctatg 240
gcaaagtact cctcccttga ccagaaccac atcgctccat gctacccct gctggacagt 300
gtgggcactg cacatagctg gccttagaggg cttggacaca gcccaccacc agctgactat 360
aaagatagga ctctcaaccc aaaaaaaaaa a 391

<210> 208
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 208
actgagttt tggaaataac gtttcttgg atcggactgt gggcgtggaa tgaaaaaggc 60
gtcctactcn ancatcnngt ccatcaccgn cctcggnngc ttcagaccca gngtgcctt 120
gntcctgtg gttggnagga gtgatgtnc ttcntngngt tgnncagggt gcatncggag 180
caccttctgn acnanacngt ttcntntcaa gttntntngc tgccttgc gggatcatt 240
cttttctgg aactcacctg ntggntgtn ggcnttgc ttnaaanacn ggatnaaaga 300
ccagctnnat ttcttattt acaacaacat caagagccta cagagatgac attgatctac 360
agaacctcat agacttcacc caaggaatat 390

<210> 209
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 209
ggggaaatttg tgaccagnaa gtgtgagagc cgacagggcc gtcaccagtg cctctgtgaa 60
gaaggttata tcctggagcg cgggcagcat tgcaaatcca acgaccccttc tcagtgcggc 120
ctccattatc ttctctaattg gtcgggattt gctagttgga gatcttnatg gaagaaactt 180
ccggattcta gcagagtcta agaaccgnng aatagnnatg ggagtggatt ttcactatca 240
naagcacaga gtttttggc cagacccat gcaggcgaag gnttttcca ctgacattaa 300
tggcttaat acccnacaaa ntcttaatgn ttctattgtat gctccagaga atctggctgt 360
ggattggatc aataataaac ttatc 386

<210> 210
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 210
actgaggctc gtccccatga ctaaactgaa tgcccaagtc aaaggctctc tcaacatcac 60
cactcccccggg atacagatat ggaggatccg aggctatgca gatgttaccc gttccttcca 120
gcacccttgg aagcttcttc gatgtgact gctatgtatg cctggctgta ngtgaaacag 180
gccaggacag gtcctgtcan aaaagcanag cctgntgggn attagggang aagctanagg 240
ctggggcag ngntgatgna tggcttagct tcattagtc ctgttaagcn agagtgcacca 300
ggactacagc tgnngggctc catggggctt agaaatgttt gnaaaagtcc tttctagctn 360
aagagctaaa aactcattca 380

<210> 211
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 211
aactgaggaa agaatcccaa ctccattgnc acatggcctg gcccacggag cggctgtatg 60
atcgtcataa ctccatcct ctctgccctg gccggcctct tgctcctggc ttccctggca 120
gcttccacta cggtttctc cagcctgtgg tggcccgagg aagctctga gcagctgcgg 180
attggctcct tcatggaaa acgttacatg actaccata tcccncccag cgaagctgcc 240
acactgnccgg tggctgnng ncctggnctg gaccccttc ccagtctcag cccgtagcct 300
ggtctntgta ncttggncct ggggtgaggg gcagagagca gatgtgcagg tcctgtgggg 360
tggggg 366

<210> 212
<211> 351
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature .
<222> (1)...(351)
<223> n = A,T,C or G

<400> 212
cagaccctgg acagacacct gcggtaactc acagaaaagat ngcnaccac ccctacntgc 60
cccagnatnt tgccagngag acttcattt cttngncant ggancaccca angccagaag 120
aaagggctcc gaaatatnaa aattattttt cagcctncga aacaccctnt taaaaaagan 180
aattgagttg gtaccnagga cgaaggccaa gaaccgcttt caccataaac caggnccaag 240
tattggaaaa tgtnnnttagg gggAACnctg acccttgcgt tgacctnaga gnggagctan 300
ctcaaaagct nanttagagg aagacagaat ncanatttgg gtccacaatc g 351

<210> 213
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 213
gatgtgcagc ccccataggg caggagccga gatggcctgc tgacagtcaa cctgcggag 60
ggttcccgcc tgcacctgtg cgctgagacc cgggatgatg ccataacatg gaagactgcc 120
ctgatggagg caaattccac cccggtnncgc gtctacagcc catatcagga ctactatgag 180
gtgggtccac ccaacgcaca tgaagccaca tatgtccgca gctactatgg gccaccttat 240
gcaggtcctg gtgtgacaca cgtgtatgtt cgagaggacc cctgctacag ctcangagcc 300
cctttggcca tggcatgct tgctgggct gccacggga cgtc 344

<210> 214
<211> 340
<212> DNA
<213> Mus musculus

<400> 214
tggctgtgca gctgccgcca ggtgaagatc tcaacgactg gttgccgtg cacgtggatgg 60
atttcttcaa tcgcaccaac ctcacatcactg gtaccatcag cgatggctgc accgagcagt 120
cgtgcccagt catgtccggg ggccccaaatc acgagtaccg ctggcaggac gagcaacgct 180
tccggaaagcc cacggcgctg tccgcaccc gctacatgaa cctgcttatg gactggatcg 240
agggtgcagat caacaacgag gacatctcc ccactaatgt cggcacacca ttccccaaga 300

ccttcctgca ggcagtgcgc aagatcctgt caaggctgtt 340

<210> 215
<211> 332
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 215
gactgagatt agcacagtga tccagtctcg agtgaatgac caggaaggcc gagtaagaat 60
tctatgttca ctatgtggc ttaacaggc gactggncg aatgggtggac aagaaccgac 120
tcnnactgac caanacagtg aaggatgccg ncgtgaaga acatctgaca aatacctgag 180
tgagcttggc ctgagcagcc agagcccaag atcacctcna aaccaataag cggaaagcatg 240
atgagatnaa ccatgtgcag aaggncatg gcccctccct tctcaggacc atcacaacaa 300
agccatagca actcccatgt gaaaaaaaaaa aa 332

<210> 216
<211> 328
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 216
actgaggtgg ggtctttctg agagacatgg agctgntggg acagaacgaa gtggaccgccc 60
ggcagcgcac gttggtcatg ctgagccagg actgcgttct acaaggntct gacggccgag 120
cagaaggcca aggcgttta agggacagta caatttaga ccacncagat gcattttgat 180
aatgatctgg tgcacaagac cctgaaaaac attgntgaag gcaaaactgt cgaggtccct 240
gcctatgatt ttgtgaccac cncaaggtt ccanaganca cttgtggnnn acccagctgn 300
tgtngnttct gttcgagggc atcttgaa 328

<210> 217
<211> 323
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 217
gactgagata ttactctgga gagaaaaggc cccggttctc accatcttca ttggaggaaaa 60
ccatgaagcc tcaaaccatt tgcaagagtt accctatggt ggctggtag cgccgaatat 120
ttattattta ggcttggntg natgtgcac nataccnnng agtaaggana ggtggcncca 180
tctggcctat taaatcnca ngattataga aaaggtcatt ntnanngccc cccttataat 240
ncatctacca taaggannat atgtcatgtg agaantatnn agnnntacat ttaaaacag 300
ttaaagcaaa ctaaaaaaga aga 323

<210> 218
 <211> 323
 <212> DNA
 <213> Mus musculus

<400> 218
 tgagatctta gcaaagctat gtctcaagat ggtgcttctc agttccaaga ggtcattctc 60
 caagaactag aattatctgt gaagaaagaa ttagaaacat atcttctgtg ttgaacaagt 120
 tggtagt gaaactcaat ggtggttgg gaaccagcat gggcctgaa aggccctaaa 180
 agtatatgcc tggacttgg ccacactact gtttcaggag atgtgacatt tggaaaaaat 240
 gtttactaa aggaaacagt tattattt gcaaatcatg gtgacagaat tgacatcccc 300
 ccaggaagat tataaaaaaaa aaa 323

<210> 219
 <211> 319
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1) ... (319)
 <223> n = A,T,C or G

<400> 219
 ggacagctag tgaccgtaaa cccctntggg cangcnnngg gataagcttc cgaggggact 60
 gtgaaaggag ccgcggctcg cacagngnac ctcttgcct gcacccagc gaggacttt 120
 tggtaagatg taccgggatt cttcattttc ttaaaggcct gangtgnaga gaactaaagg 180
 acggttcttg atggnacnct canaaacnnn nttacacccc anncccaactg ntccctngca 240
 ctccgtcaag gctcgcttct gttccaactc atctgcgaat tncacaaaac catagcccct 300
 ggagggaaaa aaaaaccaa 319

<210> 220
 <211> 317
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1) ... (317)
 <223> n = A,T,C or G

<400> 220
 gaactgaggt ggggtcttta gcctcctccc aggggcccga cacacgttcc acttggtgca 60
 ccaccactga tgcctcctga ggggtctcca cgtgcacgct caccatcgat gctactcctg 120
 agcagaggca agatggacaa tggatataat ctacacgagc tctgacttgc taggataga 180
 ttggagaggg cncacctnn nangggctca cnganagaac catagatagg aaaaaaggac 240
 ntggagnnta ngnaggaan ncncnntga tagggncatt gnttaatntn tnangttatt 300
 ncactgcctg cccttgg 317

<210> 221
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

<222> (1)...(315)
 <223> n = A,T,C or G

<400> 221
 ccagcctgag ccccgncgt gggcacagag nttgctncac ctgcagnctg tncctgcngg 60
 acctcaccgt cgccncgtcc gagtgcatgg acccctcagn ggtcttccc taccgcgtca 120
 acgacagcag ctcgccccaaa tcctgtacct cgtccgattc cacggcccttc tctccttcct 180
 cggactcgct gctgtcctcc gagtcctccc cacggggccag ccctgagccc ctagtgctgc 240
 atgaggagac accgcccacc accagcagcg actctgaaga agagcaagan gatgaggaag 300
 aaattgatgt ggtgt 315

<210> 222
 <211> 309
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(309)
 <223> n = A,T,C or G

<400> 222
 gagcttcaac atccaggcca ggtctctgcc tcagaaaagtc agtgcgaccg ccattgtccc 60
 ctgcctctca cctcctgggt cactggattt tgaggattt gctaacctga cacccttgc 120
 caaggaagag ctgagattcg ccatccagaa taaacacacc tgccatcgga tgctctgc 180
 gctggagtca gttaccgtca acaacagacc cctggagatg tcagtcacca agtctgaggc 240
 ggccccctgaa gaanatgaga gganaaggag gctggcgaga nagaataaaa attgctgctg 300
 ccaagtgtc 309

<210> 223
 <211> 307
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(307)
 <223> n = A,T,C or G

<400> 223
 gggaaactgcc taggacttgc ctactttca ctgcaggaag tcttctgatc tacagttgcc 60
 agnagacgga agcacacacc tttaggnaga tcgtttacat taagctggna gagcccttgn 120
 ctgcttgctc taaaatgctg aggnactggg gagagatacc aataccgtaa ggacagacca 180
 acagaagttc ctttgatctg ctcccacggg agttccgtnt ggtgaaagnn catgaccgc 240
 ccctgcacca gccctcagcc aacaagccga agccccccac gatgctggac attccctcag 300
 aaccgtg 307

<210> 224
 <211> 303
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(303)
 <223> n = A,T,C or G

<400> 224
ttatctgcgc atcatggatc cttacaaggc aagttacggt gtggaagacc cagagtatgc 60
tgncacccag ttagctcaga ccactatgag atcagagctt ggcaaactct ctctggacaa 120
agttttcgg gagcgnaggt ccctgaatgc caacattggg ggatgcacatc aaccaggctg 180
cagactgctg gggtatccga tgcctgccga tacgagatca aggacatcca tngccacct 240
caagtgaaaag agtctatgca gatgcagggt aaaggcaaag cgcccgaaag cggggccaca 300
gtt 303

<210> 225
<211> 280
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 225
tgagtaacta gttgtaccca ccatantaca canggacaca cagccgncc ctgnagcccg 60
gaacaggcnc acacggtaca cacngtagg caggccaggc acangcatcc agcangaccc 120
gccagcaccc gccacgcaga cactggacga gccggcgcgg tcaagatgtt caccgcacgc 180
ggncangatg tatgtgccac cgaccctcgc nccgntggat ggacggacgg ncncatncna 240
tcagcgtncacccggtcactg tccccaccca cagtgacgtt 280

<210> 226
<211> 278
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 226
gaactgagct cttcccactg cagaccgnccg gcccccttac catgcacctt ccctcagagt 60
gatcccaggc tccagggggc gctaagaccc tctttctccc cttaccatcc cccagactct 120
tccactccat ataataacttc ctttgctgga gccccatgc cagtaaccca cctttaactg 180
gcagggacng cccagggcca accccacaga cccctacaga tctccaagga accagaatgc 240
acactaaaca caatttgttca caataaaac catgtttc 278

<210> 227
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 227
agtctgaccc ttgtaccgttt gatcggttatt gcccaccctg gtagaaggcag cacagttgcc 60
gagcttgcg gagacagaca gggatggatg gtgcggtcac cggtgtcagc atcaaggcgg 120
aggctctgccc agcgtcactn cagccacca ctgnanacgc tgccccagg ctgagcagta 180

tgtgctggga caacacgtgt catttaagt gcttagggga aacgtgggtt gccctttgtc 240
 ttgctccatt attgcagaaac acttttgtgt gt 272

<210> 228
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 228
 atgagttccg caggcatgga actgactagc tcccaggaca ggaaggcttg gcaagttatn 60
 agtttttgc ctaagactgc caagtgattt ncaggataac attggaaaaaa agaatttgac 120
 cctggnatca tcttcccgcg ggtcagattt gttaatttnc aatcaaagca tcccagaagn 180
 acccatgaag caaagaaggc cctgtcaggg cagctnctgc tgtgggcga tcctatgtgt 240
 gtggaaatct actcaagact tttgagggag a 271

<210> 229
 <211> 270
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 229
 gtgtattacg cacatcggtt ggcannnnng agaacagana gggactgncc atgcncctg 60
 nngtcgtgn ancaatancg agggcgattt ggnnaagnntt tcntgaaacg cagnggtgac 120
 ccggmctgac agngggact tttatgccat gaaagnnta aaganggcca cgctgaaagt 180
 gctgtaccgn gttcggacca agatggagag gaagcagnan agcancatgg 240
 ctgtctgcca ctanacagag atcacaggag 270

<210> 230
 <211> 263
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

<400> 230
 ctgagcaaca tagggcggcc gcatgaagcg cttggagac tttctgaact tggaaaactt 60
 tgatctggct ctcctggatg aggnngtggag tgagcaggac tnncagaacn tanggcnnag 120
 gctgtatcttgc ttcacctatac nagatgcaca cgtacgttca naagcgnngt tnanaggcaa 180
 agtnctcatg ggcgnctcc nnncnccan tcctgganag gattccanct tgtctacagg 240
 cgtgnatggt gaccaaatatc atg 263

<210> 231
 <211> 262

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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 231
gaactgagat ctccgtctcc cggaaccagg gctgctcatc tcgtgaggag aaaatcttga 60
ccgcccacgct ttcgccatgc cacgaaccgc gccacaccc tcgtgaggag aaaatcttga 120
aatccatggc caagggaaaga ataaggatca catactagac acacatagcc ctagaagacc 180
ccaccccaat tctggatgct ataaagatcc cctctgtaaa aatcggattt tttttaanct 240
ttttttttt tttttttaaa aa 262

<210> 232
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 232
tgaagttaac gttacgcgct ctgccttaca aactgnaacc agctcaatac gcccgtttca 60
gttcctgcag aaagccccggg ctttggatgc cttgtgtgct ggcgcgtggcg gatggnta 120
tntggcnggc actgttatga nnacannac ctntatntga tgagcttacc agttgttnat 180
tcaaggatga tgnattnn attacacaat tcatattaaa tattccataaa actgtgtctc 240
tctcaac 247

<210> 233
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 233
ctcaactttc taaaaaancn cccnanctt naagaagcct tgnggacacn tcctacaaaa 60
cattgagatt tgcttnagg gcctccctga aaaccgctat ctaccgtata accaccacgt 120
ttggtaaca tctgaacgct gngcaggcat ctgcngaaaca tcanaaaaaga cttcancaat 180
tcttgtnagn ncaaagaata ntgangnaat ataaaactgtg ttcattaccc tgctgataca 240
actaca 246

<210> 234
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

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<222> (1)...(238)
<223> n = A,T,C or G

<400> 234
actatcacag gcaggtagna tatggcaaga agacatgcgt atgtcagttt taagccatgt 60
atgaccaggc atgaaagaag ctgggtcgg gctggtgatg actatgaagt gttgaaacta 120
gacgatgttc caaaggagaa cacctcaggt tccagtnat tggatcaagt ccatcctgct 180
ttaccaaatg aacctacagt tgaaaaaaagt gaaacagaaaa tttctactaa aaaaaaaaa 238

<210> 235
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 235
gagtgcacct tagcgtctgg gnncagggngg ctgcgtggct annacacagc ctgtcgccata 60
cttcggggca cgtctgcnaag acggtgca nttccnnaag ncaaggtatg ccgtccgaag 120
nacccttta gggactttta caaaagggtta taaagngctg atgttagggaa nttggccctg 180
cactgacgac atccgaaggg gaagtgcact gtgctcctgc aggtctatga cgctt 235

<210> 236
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 236
gaacaaaaact ggagccttcc taggnctggg agagctaaaa cgcttagatc tctccaacaa 60
tcggattggc tgtctcacct ctgagacatt tcaagggtct cctagacttc tcagactaaa 120
catatctgga aacatctact ctgtctgca acctgggtc tttgatgagc tgccagccct 180
tagctatagt gcccacctga atgtcaataa acagcagctg aagcaaaaaaaaaaaa 233

<210> 237
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 237
actgaggagg tatttgatca tgggtcacct gngaaagcna nggcanatcc actaaccnng 60
nnctacntat gaggaanaac tgnaanctgn nctggctnct tgatnngagt atttattaan 120
gcagacagag cctgttcgca catttcattc agcctgctgc tcagaagact ccaacctcac 180
ccttgaagat gaaaccaggg ccgccccacgg gtaaaaaaagg ataaaaaaaaaa aa 232

<210> 238
<211> 215
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 238
tgctggagta cgccgttcc accagtgcta agtngcagc agangattta aagttcctgc 60
agctacaagt gcgattatta ctaatgatgg gaatangaat aaatcctgca cangactgnt 120
ggaaatgttt tcctggaagc gnggnatnaat anctganaat tatnntagn agaaccnnng 180
gtgtgaagct ggtnatatnt gcgtgggtgg gaaca 215

<210> 239
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 239
tgcgccccca gcaggagccc ggctcatct ctggagtcca tgcggaaatt gcatgctgaa 60
ctccaagggg acnactggag ggtcancctg gaggatcaca gcagccaagg gactttggnc 120
aaanaatgnc cgacttnnaa naggccacag actggagttt agtgangggn gaccttntg 180
accttggcc cccaaaggtc aag 203

<210> 240
<211> 178
<212> DNA
<213> Mus musculus

<400> 240
tgagatctgt ttcccctcat cttccctca gagccagccc aggcttctgg gccttatgtg 60
gagatcatcg aacagccgaa gcaacggggc atgcgattcc gctataaatg cgaggggcgc 120
tcagcggca gtattcctgg cgagagaagc acagatacca ccaagacaca aaaaaaaaaa 178

<210> 241
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 241
ctgcccaccc tccagactgg ggcgcattng tccaaaggctg tgacccgcca ctggcgagnn 60
atgcacttgc agcggcagaa gctgagaggc gtataacgtg annatatctc ctcgccaaca 120
ctctgcccattc anccacgaga tgcctgcntc ctnctcncaa gcccccaag gaggag 176

<210> 242
<211> 169
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 242
gttgcgcctc tccgctgcag tcaaaaactcc tcattggcta aaatgccccca aacagggngcc 60
tgcatgtcca atggcttcca tggcatactc cacttggtat aancgaccta caaaacagtg 120
agtcaccacg gttcctntcg ctcttgcacc actcatctga gaaaaatca 169

<210> 243
<211> 133
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 243
acgtctactc taaggaccan ntgcagacnt tctctgnnga gcattcctgnt cttctaacgg 60
aggccccact gancccagt aagaaccggg agaaggnggn agaggcttcc tttgaaacct 120
tcaatgctcc tgc 133

<210> 244
<211> 130
<212> DNA
<213> *Mus musculus*

<400> 244
gctagaagaaa agccaaggta attgcagtaa tgaatgcgtgt ggaagagaac caggcctctg 60
gagagtctca gaaggtggag gaggccagcc ctcctgcgtgt gcagcatccc acgggtgcct 120
gatgatgcaa 130

<210> 245
<211> 130
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 245
gcgcaagtcc tgcaggcct gccgactcat gaaangccn aaagtgggga tgctgaagga 60
aggngagcgc cttgaccgnn ttcgaggagg ccgcctgnaa gtacangcga cngctggatt 120
cggtataaca 130

<210> 246

<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 246
agctcactac cctgctggaa gcagngggaa aaggaccatg gnagtggnc gcgatatggc 60
accaaattcct taccanaatg tctgaattat nttgaaaaag aaaccgaaga atatcttaaa 120
gga 123

<210> 247
<211> 113
<212> DNA
<213> Mus musculus

<400> 247
gaggactgga cggcagccct gctgaacagg ggccgcagtc ggcagccct ggtgctaggg 60
gataactgtt ttgctgattt agttcacaat tggatggagt tgcctgaagc aga 113

<210> 248
<211> 109
<212> DNA
<213> Mus musculus

<400> 248
actgagggga tcatgagcaa tctatacaaa tggctgcaag ttggaaagat gaaaaagtga 60
cacaagcatc atcaaacaac tttgttgcta ttaaaattga tactaaaag 109